

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 16:07:27 : Search time 26.216 Seconds
(without alignments)
210.565 Million cell updates/sec

Title: US-09-362-485-11
Perfect score: 18
Sequence: 1 ATCCGCGTCGATATCCG 18

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
1: /cgn2_6/ptodata/2/ina/5A.COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B.COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A.COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PC10S.COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	18	100.0	4403765	4 US-09-103-840A-2	Sequence 2, Appli
2	13.8	76.7	64	4 US-08-839-624-16	Sequence 16, Appl
3	13.8	76.7	64	4 US-09-150-812-16	Sequence 16, Appl
4	13.8	76.7	1038	4 US-09-403-768-3	Sequence 3, Appli
5	13.8	76.7	4637	4 US-09-221-017B-818	Sequence 818, App
6	13.8	76.7	6318	4 US-09-453-702B-230	Sequence 230, App
7	13.8	76.7	15239	1 US-08-390-878-17	Sequence 17, Appl
8	13.4	74.4	466	4 US-09-132-316-12	Sequence 12, Appl
9	13.4	74.4	836	4 US-08-971-090-7	Sequence 6, Appli
10	13.4	74.4	836	4 US-08-525-654A-2	Sequence 2, Appli
11	13.4	74.4	2313	1 US-08-525-654A-4	Sequence 4, Appli
12	13.4	74.4	3394	1 US-08-525-654A-136	Sequence 136, App
13	13.4	74.4	28958	1 US-08-258-261B-6	Sequence 7, Appli
14	13.4	74.4	28958	1 US-08-456-837-1	Sequence 6, Appli
15	13.4	74.4	28958	1 US-08-457-342-1	Sequence 6, Appli
16	13.4	74.4	28958	1 US-08-457-646A-6	Sequence 6, Appli
17	13.4	74.4	28958	1 US-08-458-076A-6	Sequence 6, Appli
18	13.4	74.4	28958	1 US-08-764-233A-4	Sequence 4, Appli
19	13.4	74.4	28958	1 US-08-764-233A-6	Sequence 6, Appli
20	13.4	74.4	28958	1 US-08-457-335A-6	Sequence 6, Appli
21	13.4	74.4	28958	1 US-08-729-214-6	Sequence 6, Appli
22	13.4	74.4	28958	3 US-09-028-934-6	Sequence 6, Appli
23	13.4	74.4	49377	1 US-08-764-233A-1	Sequence 1, Appli
24	13.2	73.3	848	4 US-09-221-017B-443	Sequence 443, App
25	13.2	73.3	1320	1 US-08-264-534-8	Sequence 8, Appli
26	13.2	73.3	1320	1 US-08-083-590A-3	Sequence 3, Appli
27	13.2	73.3	1320	1 US-08-465-500-8	Sequence 8, Appli

28	13.2	73.3	1320	2 US-08-346-126-8	Sequence 8, Appli
29	13.2	73.3	1320	2 US-08-346-128-8	Sequence 8, Appli
30	13.2	73.3	1320	3 US-08-532-384-3	Sequence 3, Appli
31	13.2	73.3	1320	4 US-08-893-828-8	Sequence 8, Appli
32	13.2	73.3	2399	4 US-09-221-017B-752	Sequence 752, App
33	13.2	73.3	2677	4 US-09-221-017B-959	Sequence 959, App
34	13.2	73.3	4380	4 US-08-955-565A-3	Sequence 3, Appli
35	13.2	73.3	4800	3 US-09-106-638-1	Sequence 1, Appli
36	13.2	73.3	5561	2 US-08-400-159-1	Sequence 1, Appli
37	13.2	73.3	5561	2 US-08-611-728A-1	Sequence 1, Appli
38	13.2	73.3	34303	2 US-08-735-609-4	Sequence 4, Appli
39	13.2	73.3	34303	2 US-08-735-609-4	Sequence 4, Appli
40	13.2	73.3	34303	3 US-09-315-372-4	Sequence 4, Appli
41	13.2	73.3	34303	3 US-09-244-752-4	Sequence 4, Appli
42	13.2	73.3	34303	3 US-09-245-497-4	Sequence 4, Appli
43	13.2	73.3	34303	3 US-09-562-919-4	Sequence 4, Appli
44	13.2	73.3	34382	2 US-08-374-483-6	Sequence 6, Appli
45	13.2	73.3	35408	4 US-08-973-334-3	Sequence 3, Appli

ALIGNMENTS

```
RESULT 1
US-09-103-840A-2
: Sequence 2, Appli
: Patent No. 6294328
: GENERAL INFORMATION:
: APPLICANT: FLEISCHMAN, Robert D.
: APPLICANT: WHITE, Owen R.
: APPLICANT: FRASER, Claire M.
: APPLICANT: VENTER, John C.
: TITLE OF INVENTION: VENTER, John C.
: TITLE OF INVENTION: TUBERCULOSIS
: FILE REFERENCE: 24366-20007.00
: CURRENT APPLICATION NUMBER: US/09/103,840A
: CURRENT FILING DATE: 1998-06-24
: NUMBER OF SEQ ID NOS: 2
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 2 4403765
: LENGTH: 4403765
: TYPE: DNA
: ORGANISM: Mycobacterium tuberculosis
: FEATURE:
: OTHER INFORMATION: CDC 1551
: OTHER INFORMATION: "n" bases at various positions throughout the sequence
: US-09-103-840A-2

Query Match          100.0%; Score 18; DB 4; Length 4403765;
Best Local Similarity 100.0%; Pred. No. 0.46;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ATCCGCGTCGATATCCG 18
        |||
Db 3081500 ATCCGCGTCGATATCCG 3081517

RESULT 2
US-08-839-624-16
: Sequence 16, Appli
: Patent No. 6225045
: GENERAL INFORMATION:
: APPLICANT: Karn et al.
: TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR COMBATING
: TITLE OF INVENTION: HIV INFECTION
: NUMBER OF SEQUENCES: 43
: CORRESPONDENCE ADDRESS:
: ADDRESS: Banner & Witcoff, Inc.
: STREET: One Financial Center
: CITY: Boston
: STATE: Massachusetts
: COUNTRY: USA
```

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1 ZIP: 02111
2
3 COMPUTER READABLE FORM:
4
5 MEDIUM TYPE: Floppy disk
6
7 COMPUTER: IBM PC compatible
8
9 OPERATING SYSTEM: PC-DOS/MS-DOS
10
11 SOFTWARE: WordPerfect 6.1
12
13 CURRENT APPLICATION DATA:
14
15 APPLICATION NUMBER: US/08/839,624
16
17 FILING DATE: April 15, 1997
18
19 CLASSIFICATION: 435
20
21 PRIOR APPLICATION DATA:
22
23 APPLICATION NUMBER: PCT/GB96/78191
24
25 FILING DATE: 15-APR-1996
26
27 PRIOR APPLICATION DATA:
28
29 APPLICATION NUMBER: US 60/017,268
30
31 FILING DATE: 13-MAY-1996
32
33 ATTORNEY/AGENT INFORMATION:
34
35 NAME: Kathleen M. Williams
36
37 REGISTRATION NUMBER: 34,380
38
39 REFERENCE/DOCKET NUMBER: 3255/5390
40
41 TELECOMMUNICATION INFORMATION:
42
43 TELEPHONE: 617-345-9100
44
45 TELEFAX: 617-345-9111
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47 INFORMATION FOR SEQ ID NO: 16:
48
49 SEQUENCE CHARACTERISTICS:
50
51 LENGTH: 64 bases
52
53 TYPE: nucleic acid
54
55 STRANDEDNESS: single
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57 TOPOLOGY: unknown
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59 MOLECULE TYPE: other nucleic acid
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61 US-08-839-624-16
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1  ? REGISTRATION NUMBER: 34,380
2  ? REFERENCE/DOCKET NUMBER: 3255/5390
3  ? TELECOMMUNICATION INFORMATION:
4  ? TELEPHONE: 617-345-9100
5  ? TELEFAX: 617-345-9111
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7  ? SEQUENCE CHARACTERISTICS:
8  ? LENGTH: 64 bases
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10 ? STRANDEDNESS: single
11 ? TOPOLOGY: unknown
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13 ? SEQUENCE DESCRIPTION: SEQ ID NO: 16:
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STREET: 755 PAGE MILL ROAD
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FASTSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/221.017B
FILING DATE: 23-DEC-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PP1182
FILING DATE: 31-DEC-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PP1546
FILING DATE: 30-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PP2911
FILING DATE: 09-APR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/AU98/01023
FILING DATE: 10-DEC-1998
ATTORNEY/AGENT INFORMATION:
NAME: Montroy, Gladys H
REGISTRATION NUMBER: 32,430
REFERENCE/DOCKET NUMBER: 27340-20021.00
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-813-5600
TELEFAX: 650-494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 818:
SEQUENCE CHARACTERISTICS:
LENGTH: 4637 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: UNKNOWN
ORIGINAL SOURCE:
ORGANISM: PORPHYROMONAS GINGIVALIS
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1...4637
US-09-221-017B-818

Query Match 76.7% Score 13.8; DB 4; Length 4637;
Best Local Similarity 88.2% Pred. No. 74;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 TGGCGTCGCTATTCG 18
||||| |
DB 1388 TGGCGTCGCTATTCG 1372

RESULT 6
US-09-453-702B-230/c
Sequence 230, Application US/09453702B
Patent No. 6365723
GENERAL INFORMATION:
APPLICANT: Blatner, Frederick R.
Burland, Valerie
Perna, Nicole T.
Plunkett, Guy
Welch, Rod
TITLE OF INVENTION: No. 6365723 Sequences of E. coli 0157
NUMBER OF SEQUENCES: 265
CORRESPONDENCE ADDRESS:
ADDRESSEE: Quarles & Brady

STREET: 1 South Pinckney Street
CITY: Madison
STATE: WI
COUNTRY: US
ZIP: 53701-2113
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44Mb storage
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 8.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/453.702B
FILING DATE: 03-DEC-1999
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/110,955
FILING DATE: 04-DEC-1998
ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J.
REGISTRATION NUMBER: 27386
REFERENCE/DOCKET NUMBER: 960296.95017
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 251-5000
TELEFAX: (608) 251-9166
INFORMATION FOR SEQ ID NO: 230:
SEQUENCE CHARACTERISTICS:
LENGTH: 6318
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 230:
US-09-453-702B-230

Query Match 76.7% Score 13.8; DB 4; Length 6318;
Best Local Similarity 88.2% Pred. No. 74;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 TGGCGTCGCTATTCG 18
||||| |
DB 2760 TGGCGTCGCTATTCG 2744

RESULT 7
US-08-390-878-17/c
Sequence 17, Application US/08390878
Patent No. 5700683
GENERAL INFORMATION:
APPLICANT: Shover, Charles K.
APPLICANT: Mahdian, Ghodraty G.
TITLE OF INVENTION: VIRULINCE-ATTENUATING GENETIC DELETIONS
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Kourie and Crew
STREET: One Market Plaza, Stewart Street Tower, 20th
STREET: Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/390,878
FILING DATE: 17-FEB-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Hunter, Tom
REGISTRATION NUMBER: 38,498
REFERENCE/DOCKET NUMBER: 15371A-17

TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/543/9600
TELEFAX: 415/543/5043
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 15239 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-390-878-17

Query Match 76.7%; Score 13.8; DB 1; Length 15239;
Best Local Similarity 88.2%; Pred. No. 76;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 2 TGGCGGCGGTATTCG 18
||||| ||||| |||
Db 1923 TGGCGGCGGTATTCG 1907

RESULT 8
US-09-132-316-12/c
Sequence 12, Application US/09122316B
Patent No. 6444440
GENERAL INFORMATION:
APPLICANT: Young, Paul E.
APPLICANT: Ruben, Steven M.
TITLE OF INVENTION: Vanilloid Receptor-2
FILE REFERENCE: 1488.1110000
CURRENT APPLICATION NUMBER: US/09/132,316B
EARLIER FILING DATE: 1998-08-11
EARLIER APPLICATION NUMBER: US 60/040,163
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: PCT/US98/04493
NUMBER OF SEQ ID NOS: 67
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 12
LENGTH: 466
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: Unsure
LOCATION: 297
OTHER INFORMATION: May be any nucleotide
FEATURE:
NAME/KEY: Unsure
LOCATION: 322
OTHER INFORMATION: May be any nucleotide
FEATURE:
NAME/KEY: Unsure
LOCATION: 387
OTHER INFORMATION: May be any nucleotide
FEATURE:
NAME/KEY: Unsure
LOCATION: 406
OTHER INFORMATION: May be any nucleotide
FEATURE:
NAME/KEY: Unsure
LOCATION: 427
OTHER INFORMATION: May be any nucleotide
FEATURE:
NAME/KEY: Unsure
LOCATION: 439
OTHER INFORMATION: May be any nucleotide
FEATURE:
NAME/KEY: Unsure
LOCATION: 461
OTHER INFORMATION: May be any nucleotide
US-09-132-316-12

Query Match 74.4%; Score 13.4; DB 4; Length 466;

Best Local Similarity 93.3%; Pred. No. 1.1e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 1 ATGCGCGTCGATTTCC 15
||||| ||||| ||
Db 67 ATGCGCGTCGATTTCC 53

RESULT 9
US-08-971-090-6/c
Sequence 6, Application US/08971090
Patent No. 6228579
GENERAL INFORMATION:
APPLICANT: Zyskind, Judith W.
APPLICANT: Forsyth, R. Allen
TITLE OF INVENTION: METHOD FOR IDENTIFYING MICROBIAL PROLIFERATION GENES
FILE REFERENCE: 07252/008001
CURRENT APPLICATION NUMBER: US/08/971,090
CURRENT FILING DATE: 1997-11-14
NUMBER OF SEQ ID NOS: 3
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 6
LENGTH: 836
TYPE: DNA
ORGANISM: E. coli
US-08-971-090-6

Query Match 74.4%; Score 13.4; DB 4; Length 836;
Best Local Similarity 93.4%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 3 GCGCGTCGATTTCC 17
||||| ||||| ||
Db 86 GCGCGTCGATTTCC 72

RESULT 10
US-08-971-090-7
Sequence 7, Application US/08971090
Patent No. 6228579
GENERAL INFORMATION:
APPLICANT: Zyskind, Judith W.
APPLICANT: Forsyth, R. Allen
TITLE OF INVENTION: METHOD FOR IDENTIFYING MICROBIAL PROLIFERATION GENES
FILE REFERENCE: 07252/008001
CURRENT APPLICATION NUMBER: US/08/971,090
CURRENT FILING DATE: 1997-11-14
NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 7
LENGTH: 836
TYPE: RNA
ORGANISM: E. coli
US-08-971-090-7

Query Match 74.4%; Score 13.4; DB 4; Length 836;
Best Local Similarity 66.7%; Pred. No. 1.2e+02;
Matches 10; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

OY 3 GCGCGTCGATTTCC 17
||||| ||||| ||
Db 751 GCGCGTCGATTTCC 765

RESULT 11
US-08-525-654A-2/c
Sequence 2, Application US/08525654A
Patent No. 5736356
GENERAL INFORMATION:
APPLICANT: SANDO, KOICHIRO
APPLICANT: KUMAZAWA, YOSHIYUKI
APPLICANT: YASEUDA, HISASHI
APPLICANT: SEGURO, KATSUYA


```

APPLICANT: MOTOKI, MASAO
TITLE OF INVENTION: TRANSGLUTAMINASE ORIGINATED FROM
TITLE OF INVENTION: CRASSOSTREA GIGAS
NUMBER OF SEQUENCES: 150
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
P.C.
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/525,654A
FILING DATE: 28-SEP-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6/8283
FILING DATE: 28-JAN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7/3876
FILING DATE: 13-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NORMAN F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 10-760-0 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2310 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Crassostrea gigas
FEATURE:
NAME/KEY: misc-feature
LOCATION: 1..2310
US-08-525-654A-2

Query Match 74.4%; Score 13.4; DB 1; Length 2310;
Best Local Similarity 93.3%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 4 CCGGTCGTATTCCG 18
DB 1091 CCGGTCGTATTCCG 1077

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```

STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/525,654A
FILING DATE: 28-SEP-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6/8283
FILING DATE: 28-JAN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7/3876
FILING DATE: 13-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NORMAN F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 10-760-0 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 2313 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Crassostrea gigas
FEATURE:
NAME/KEY: misc-feature
LOCATION: 1..2054
US-08-525-654A-4

Query Match 74.4%; Score 13.4; DB 1; Length 2313;
Best Local Similarity 94.3%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 4 CCGGTCGTATTCCG 18
DB 1094 CCGGTCGTATTCCG 1080

RESULT 13
US-08-525-654A-136/C
Sequence 136, Application US/08525654A
Patent No. 5736356
GENERAL INFORMATION:
APPLICANT: SANO, KOICHIRO
APPLICANT: KUMAZAWA, YOSHIYUKI
APPLICANT: YASEUDA, HISASHI
APPLICANT: SEGURO, KATSUYA
APPLICANT: MOTOKI, MASAO
TITLE OF INVENTION: TRANSGLUTAMINASE ORIGINATED FROM
TITLE OF INVENTION: CRASSOSTREA GIGAS
NUMBER OF SEQUENCES: 150
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
P.C.
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

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: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/525,654A
: FILING DATE: 28-SEP-1995
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: JP 6/8283
: FILING DATE: 28-JAN-1994
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: JP 7/3876
: FILING DATE: 13-JAN-1995
: ATTORNEY/AGENT INFORMATION:
: NAME: OBLON, NORMAN F.
: REGISTRATION NUMBER: 24,618
: REFERENCE/DOCKET NUMBER: 10-760-0 PCT
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 703-413-3000
: TELEFAX: 703-413-2220
: INFORMATION FOR SEQ ID NO: 136:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 3394 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: ORIGINAL SOURCE:
: ORGANISM: Crassostrea gigas
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 305..2617
: US-08-525-654A-136

Query Match 74.4% Score 13.4: DB 1: Length 3394;
Best Local Similarity 93.3% Pred. No. 1.2e+02;
Matches 14: Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 CGCGTCGCTATTCCG 18
DB 1398 CGCGTCGCTATTCCG 1384

RESULT 14
US-08-258-261B-6/c
: Sequence 6, Application US/08258261B
: Patent No. 5639949
: GENERAL INFORMATION:
: APPLICANT: Schupp, Thomas
: APPLICANT: Ligon, James M.
: APPLICANT: Beck, James Joseph
: APPLICANT: Hill, Dwight Steven
: APPLICANT: Ryals, John Andrew
: APPLICANT: Gaffney, Thomas Deane
: APPLICANT: Lam, Stephen Ting
: APPLICANT: Hammer, Phillip E.
: APPLICANT: Uknes, Scott Joseph
: TITLE OF INVENTION: Genes for the synthesis of
: TITLE OF INVENTION: antipathogenic substances
: NUMBER OF SEQUENCES: 22
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Ciba-Geigy Corporation
: STREET: 7 Skyline Drive
: CITY: Hawthorne
: STATE: NY
: COUNTRY: USA
: ZIP: 10532
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
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: APPLICATION NUMBER: US/08/258,261B
: FILING DATE: 08-11-N-1994
: CLASSIFICATION: 800
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/457,205
: FILING DATE: 01-JUN-1995
: ATTORNEY/AGENT INFORMATION:
: NAME: Elmer, James Scott
: REGISTRATION NUMBER: 36,129
: REFERENCE/DOCKET NUMBER: CGC 1506/CIP3
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 919-541-8614
: TELEFAX: 919-541-8689
: INFORMATION FOR SEQ ID NO: 6:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 18958 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: HYPOTHETICAL: NO
: ANTI-SENSE: NO
: US-08-258-261B-6

Query Match 74.4% Score 13.4: DB 1: Length 28958;
Best Local Similarity 93.3% Pred. No. 1.3e+02;
Matches 14: Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 GCGCGTCGCTATTCC 17
DB 21961 GCGCGTCGCTATTCC 21947

RESULT 15
US-08-456-837-6/c
: Sequence 6, Application US/08456837
: Patent No. 5643774
: GENERAL INFORMATION:
: APPLICANT: Schupp, Thomas
: APPLICANT: Ligon, James M.
: APPLICANT: Beck, James Joseph
: APPLICANT: Hill, Dwight Steven
: APPLICANT: Ryals, John Andrew
: APPLICANT: Gaffney, Thomas Deane
: APPLICANT: Lam, Stephen Ting
: APPLICANT: Hammer, Phillip E.
: APPLICANT: Uknes, Scott Joseph
: TITLE OF INVENTION: Genes for the synthesis of
: TITLE OF INVENTION: antipathogenic substances
: NUMBER OF SEQUENCES: 22
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Ciba-Geigy Corporation
: STREET: 7 Skyline Drive
: CITY: Hawthorne
: STATE: NY
: COUNTRY: USA
: ZIP: 10532
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/456,837
: FILING DATE: 01-JUN-1995
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/457,205
: FILING DATE: 01-JUN-1995
: APPLICATION NUMBER: 08/258,261
: FILING DATE: 08-JUN-1994
: ATTORNEY/AGENT INFORMATION:
: NAME: Elmer, James Scott
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REGISTRATION NUMBER: 36,129
REFERENCE/DOCKET NUMBER: CGC 1506/CIP3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8614
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 28958 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-456-837-6

Query Match 74.4%; Score 13.4; DB 1; Length 28958;
Best Local Similarity 93.3%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 3 GCGCGTCGTATTCC 17
|||||||
Db 21961 GCGCGTCGTATTCC 21947

Search completed: February 17, 2003, 21:23:04
Job time : 1070.22 secs

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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 21:30:48 ; Search time 96.2091 Seconds
(without alignments)
95.291 Million cell updates/sec

Title: US-09-362-485-11

Sequence: 1 ATGCGCGTCGCTATTCG 18

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 424239 seqs, 25461826 residues

Total number of hits satisfying chosen parameters: 848478

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_NA:*

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- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
- 9: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
- 10: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
- 12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	14.4	80.0	4355	9	US-09-843-250-7
2	14.4	80.0	9706	9	US-09-843-250-5
3	14.4	80.0	14462	9	US-09-843-250-9
4	14.4	76.7	1380	9	US-09-967-477B-7
5	13.8	76.7	627	9	US-09-738-625-2690
6	13.8	76.7	663	10	US-09-815-242-6331
7	13.8	76.7	1548	9	US-09-738-626-1586
8	13.8	76.7	1935	10	US-09-070-927A-424
9	13.8	76.7	6318	9	US-10-114-170-230
10	13.8	76.7	3309400	9	US-09-738-626-1
11	13.4	74.4	466	9	US-10-137-316-12
12	13.4	74.4	712	9	US-10-074-246-64
13	13.4	74.4	836	10	US-09-805-664-6
14	13.4	74.4	836	10	US-09-805-664-7
15	13.4	74.4	898	10	US-09-791-171-7
16	13.2	73.3	273	10	US-09-983-965-5135
17	13.2	73.3	444	9	US-09-738-626-3145
18	13.2	73.3	696	10	US-09-974-300-7373
19	13.2	73.3	1021	10	US-09-974-300-1177

c	20	13.2	73.3	1101	10	US-09-815-242-9823	Sequence 9823, Ap
c	21	13.2	73.3	4294	9	US-09-815-242-4016	Sequence 4016, Ap
c	22	13.2	73.3	5766	9	US-09-712-363-20	Sequence 156, App
c	23	13.2	73.3	32480	9	US-10-098-841-156	Sequence 23, Appl
c	24	13.2	73.3	35871	9	US-09-847-101B-23	Sequence 2, Appl
c	25	13.2	73.3	35871	10	US-09-956-935-2	Sequence 43, Appl
c	26	13.2	73.3	35935	10	US-09-725-720-43	Sequence 4, Appl
c	27	13.2	73.3	35935	10	US-09-782-378A-4	Sequence 5, Appl
c	28	13.2	73.3	35935	10	US-09-782-378A-5	Sequence 3, Appl
c	29	13.2	73.3	35937	10	US-09-782-378A-3	Sequence 1, Appl
c	30	13.2	73.3	35978	10	US-09-956-935-1	Sequence 1, Appl
c	31	13.2	73.3	3309400	9	US-09-738-626-1	Sequence 1, Appl
c	32	13.2	72.2	1506	10	US-09-815-242-9991	Sequence 60, Appl
c	33	12.8	71.1	30	9	US-09-953-052-60	Sequence 991, Ap
c	34	12.8	71.1	33	10	US-09-939-408A-6	Sequence 6, Appl
c	35	12.8	71.1	60	10	US-09-990-080-21	Sequence 21, Appl
c	36	12.8	71.1	63	10	US-09-990-080-14	Sequence 14, Appl
c	37	12.8	71.1	287	10	US-09-294-093B-5484	Sequence 5484, Ap
c	38	12.8	71.1	431	10	US-09-880-107-2991	Sequence 2991, Ap
c	39	12.8	71.1	699	10	US-09-815-242-4505	Sequence 4505, Ap
c	40	12.8	71.1	699	10	US-09-815-242-8471	Sequence 8471, Ap
c	41	12.8	71.1	879	9	US-09-860-846-11	Sequence 11, Appl
c	42	12.8	71.1	879	10	US-09-861-289-11	Sequence 11, Appl
c	43	12.8	71.1	915	10	US-09-974-300-2523	Sequence 2523, Ap
c	44	12.8	71.1	1038	10	US-09-917-800A-1479	Sequence 1479, Ap
c	45	12.8	71.1	1203	10	US-09-974-300-245	Sequence 245, App

ALIGNMENTS

RESULT 1
US-09-843-250-7
; Sequence 7 Application US/098433250
; Publication No. US20030022335A1
; GENERAL INFORMATION:
; APPLICANT: Parales, R.
; APPLICANT: Gibson, D.
; APPLICANT: Resnick, S.
; APPLICANT: Lee, K.
; TITLE OF INVENTION: No. US20030022335A1 naphthalene dioxygenase and methods for:
; FILE REFERENCE: 875 006US2
; CURRENT APPLICATION NUMBER: US/09/843,250
; CURRENT FILING DATE: 2001 04-26
; PRIOR APPLICATION NUMBER: 147/US99/25079
; PRIOR FILING DATE: 1999-10-26
; PRIOR APPLICATION NUMBER: US 60/105,575
; PRIOR FILING DATE: 1998-10-26
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 4355
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A modified DNA molecule encoding valine at the
; OTHER INFORMATION: position corresponding to the F352 amino acid in
; OTHER INFORMATION: NDO.
US-09-843-250-7
Query Match 80.0%; Score 14.4; DB 9; Length 4355;
Best Local Similarity 93.8%; Pred. No. 22;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 ATGCGCGTCGCTATTC 16
|||||
Db 1271 ATGCGCGTCGCTATTC 1286
RESULT 2
US-09-843-250-5
; Sequence 5, Application US/098433250
; Publication No. US20030022335A1

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; GENERAL INFORMATION:
; APPLICANT: Perales, R.
; APPLICANT: Gibson, D.
; APPLICANT: Resnick, S.
; APPLICANT: Lee, K.
; TITLE OF INVENTION: No. US20030022335A1el naphthalene dioxygenase and methods for the
; FILE REFERENCE: 875.006052
; CURRENT APPLICATION NUMBER: US/09/843,250
; CURRENT FILING DATE: 2001-04-26
; PRIOR APPLICATION NUMBER: PCT/US99/25079
; PRIOR FILING DATE: 1999-10-26
; PRIOR APPLICATION NUMBER: US 60/105,575
; PRIOR FILING DATE: 1998-10-26
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 9706
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A modified DNA molecule encoding valine at the
; OTHER INFORMATION: position corresponding to the F352 amino acid in
; OTHER INFORMATION: NDO.
US-09-843-250-5

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Query Match      80.0%; Score 14.4; DB 9; Length 9706;
Best Local Similarity 93.8%; Pred. No. 22;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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OY      1 ATGCGCGTCGTATTC 16
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DB      1321 ATGCGCGTCGTATTC 1336

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RESULT 3
US-09-843-250-9
; Sequence 9, Application US/09843250
; Publication No. US20030022335A1
; GENERAL INFORMATION:
; APPLICANT: Perales, R.
; APPLICANT: Gibson, D.
; APPLICANT: Resnick, S.
; APPLICANT: Lee, K.
; TITLE OF INVENTION: No. US20030022335A1el naphthalene dioxygenase and methods for the
; FILE REFERENCE: 875.006052
; CURRENT APPLICATION NUMBER: US/09/843,250
; CURRENT FILING DATE: 2001-04-26
; PRIOR APPLICATION NUMBER: PCT/US99/25079
; PRIOR FILING DATE: 1999-10-26
; PRIOR APPLICATION NUMBER: US 60/105,575
; PRIOR FILING DATE: 1998-10-26
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 14462
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A modified DNA molecule encoding valine at the
; OTHER INFORMATION: position corresponding to the F352 amino acid in
; OTHER INFORMATION: NDO.
US-09-843-250-9

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Query Match      80.0%; Score 14.4; DB 9; Length 14462;
Best Local Similarity 93.8%; Pred. No. 22;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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DB      4189 ATGCGCGTCGTATTC 4204

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RESULT 4

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US-09-967-477B-7
; Sequence 7, Application US/09967477B
; Patent No. US20020156254A1
; GENERAL INFORMATION:
; APPLICANT: Xiao Qiu
; APPLICANT: Haiping Hong
; TITLE OF INVENTION: FAD4, FAD5, FAD5-2, AND FAD6, NOVEL
; FILE REFERENCE: BNZ-001
; CURRENT APPLICATION NUMBER: US/09/967,477B
; CURRENT FILING DATE: 2002-04-16
; PRIOR APPLICATION NUMBER: 60/236,303
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: 60/297,562
; PRIOR FILING DATE: 2001-06-12
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 1380
; TYPE: DNA
; ORGANISM: Thraustochytrium sp.
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1380)
US-09-967-477B-7

```

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Query Match      77.8%; Score 14; DB 9; Length 1380;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

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OY      3 GCGCGTCGTATTC 16
          |||||
DB      1145 GCGCGTCGTATTC 1158

```

```

RESULT 5
US-09-738-626-2690/c
; Sequence 2690, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAOKO
; APPLICANT: SENOI, AKIHITO
; APPLICANT: IKEDA, MASATU
; APPLICANT: OKAI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO 2690
; LENGTH: 627
; TYPE: DNA
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-2690

```

```

Query Match      76.7%; Score 13.8; DB 9; Length 627;
Best Local Similarity 88.2%; Pred. No. 51;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```
OY      2 TCGCGTCGTATTCG 18
```

||||| ||||| |||||
 DB 469 TCGCGATCGGATTCG 453

RESULT 6

US-09-815-242-6331

Sequence 6331, Application US/09815242

Patent No. US20020061569A1

GENERAL INFORMATION:

APPLICANT: Haselbeck, Robert

APPLICANT: Ohlsen, Karl L.

APPLICANT: Zyskind, Judith W.

APPLICANT: Wall, Daniel

APPLICANT: Trawick, John D.

APPLICANT: Carr, Grant J.

APPLICANT: Yamamoto, Robert T.

APPLICANT: Xu, H. Howard

TITLE OF INVENTION: Identification of Essential Genes in

FILE REFERENCE: ELITRA.011A

CURRENT APPLICATION NUMBER: US/09/815,242

CURRENT FILING DATE: 2001-03-21

PRIOR APPLICATION NUMBER: 60/191,078

PRIOR FILING DATE: 2000-03-21

PRIOR APPLICATION NUMBER: 60/206,848

PRIOR FILING DATE: 2000-05-23

PRIOR APPLICATION NUMBER: 60/207,727

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: 60/242,578

PRIOR FILING DATE: 2000-10-23

PRIOR APPLICATION NUMBER: 60/253,625

PRIOR FILING DATE: 2000-11-27

PRIOR APPLICATION NUMBER: 60/257,931

PRIOR FILING DATE: 2000-12-22

PRIOR APPLICATION NUMBER: 60/269,308

PRIOR FILING DATE: 2001-02-16

NUMBER OF SEQ ID NOS: 14110

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 6331

LENGTH: 663

TYPE: DNA

ORGANISM: Escherichia coli

FEATURE:

NAME/KEY: CDS

LOCATION: (1)...(663)

US-09-815-242-6331

Query Match 76.7%: Score 13.8; DB 10; Length 663;

Best Local Similarity 88.2%: Pred. No. 51;

Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 TCGCGTTCGATTCG 18

DB 224 TCGCGACGCTATTCG 240

RESULT 7

US-09-738-626-1586/C

Sequence 1586, Application US/09738626

Publication No. US20020197605A1

GENERAL INFORMATION:

APPLICANT: NAKAGAWA, SATOSHI

APPLICANT: MIZOGUCHI, HITROSHI

APPLICANT: ANDO, SEIKO

APPLICANT: HAYASHI, MIKIRO

APPLICANT: OCHIAI, KEIKO

APPLICANT: YOKOI, HARUHIKO

APPLICANT: TATEISHI, NAOKO

APPLICANT: SEMOH, AKIHIRO

APPLICANT: IKEDA, MASATO

APPLICANT: OZAKI, AKIO

TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES

FILE REFERENCE: 249-125

CURRENT APPLICATION NUMBER: US/09/738,626

CURRENT FILING DATE: 2000-12-18

PRIOR APPLICATION NUMBER: JP 99/377484

PRIOR FILING DATE: 1999-12-16

PRIOR APPLICATION NUMBER: JP 00/159162

PRIOR FILING DATE: 2000-04-07

PRIOR APPLICATION NUMBER: JP 00/280988

PRIOR FILING DATE: 2000-08-03

NUMBER OF SEQ ID NOS: 7059

SOFTWARE: PatentIn ver. 3.0

SEQ ID NO 1586

LENGTH: 1548

TYPE: DNA

ORGANISM: Corynebacterium glutamicum

US-09-738-626-1586

Query Match 76.7%: Score 13.8; DB 9; Length 1548;

Best Local Similarity 88.2%: Pred. No. 50;

Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATCGCGTTCGATTCG 17

DB 425 ATCGCGTTCGATTCG 409

RESULT 8

US-09-070-927A-424

Sequence 424, Application US/09070927A

Patent No. US20020120116A1

GENERAL INFORMATION:

APPLICANT: Charles A. Kunsch

APPLICANT: Patrick J. Dillon

APPLICANT: Steven Barash

TITLE OF INVENTION: Enterococcus faecialis polynucleotides and Polypeptides;

NUMBER OF SEQUENCES: 982

CORRESPONDENCE ADDRESS:

ADDRESSER: man Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.44Mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MS-DOS version 6.2

SOFTWARE: As'11 Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/070,927A

FILING DATE: 04 May-2000

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/046,655

FILING DATE: 1997-05-16

APPLICATION NUMBER: 60/044,031

FILING DATE: 1997-05-06

APPLICATION NUMBER: 60/066,009

FILING DATE: 1997-11-14

ATTORNEY/AGENT INFORMATION:

NAME: Kenley K. Hoover

REGISTRATION NUMBER: 40,302

REFERENCE/DOCKET NUMBER: PH369

TELECOMMUNICATION INFORMATION:

TELEPHONE: (301) 309-8504

TELEFAX: (301) 309-8512

INFORMATION FOR SEQ ID NO: 424:

SEQUENCE CHARACTERISTICS:

LENGTH: 1935 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 424:

US-09-070-927A-424


```

; FEATURE:
; NAME/KEY: unsure
; LOCATION: 427
; OTHER INFORMATION: May be any nucleotide
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 439
; OTHER INFORMATION: May be any nucleotide
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 461
; OTHER INFORMATION: May be any nucleotide
US-10-137-316-12

Query Match
Best Local Similarity 93.3%; Pred. No. 87;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 ATGCGGTCGTATTCC 15
Db 67 ATGCGGTCGTATTCC 53

RESULT 12
US-10-074-246-64
; Sequence 64, Application US/10074246
; Publication No. US20030027174A1
; GENERAL INFORMATION:
; APPLICANT: Universit  Catholique de Louvain
; TITLE OF INVENTION: Identification of nucleotide sequences specific for mycobacterial
; TITLE OF INVENTION: pseudomonas species, development of differential diagnosis strat
; TITLE OF INVENTION: mycobacterial and pseudomonas species
; FILE REFERENCE: UCL-021-US
; CURRENT APPLICATION NUMBER: US/10/074,246
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: US 60/269,848
; PRIOR FILING DATE: 2001-02-21
; PRIOR APPLICATION NUMBER: US 60/292,509
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: EP 01870030.2
; PRIOR FILING DATE: 2001-02-19
; NUMBER OF SEQ ID NOS: 89
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 64
; LENGTH: 712
; TYPE: DNA
; ORGANISM: Mycobacterium szulgai
US-10-074-246-64

Query Match
Best Local Similarity 74.4%; Score 13.4; DB 9; Length 712;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 3 GCGCGTCGTATTCC 17
Db 38 GCGCGTCGTATTCC 52

RESULT 13
US-09-805-664-6/c
; Sequence 6, Application US/09805664
; Patent No. US20020058260A1
; GENERAL INFORMATION:
; APPLICANT: zyskind, Judith W.
; APPLICANT: Forsyth, R. Allyn
; TITLE OF INVENTION: METHOD FOR IDENTIFYING MICROBIAL PROLIFERATION GENES
; FILE REFERENCE: 07252/008001
; CURRENT APPLICATION NUMBER: US/09/805,664
; PRIOR FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: US 08/971,090
; PRIOR FILING DATE: 1997-11-14
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 6
; LENGTH: 836
; TYPE: DNA
; ORGANISM: E. coli
US-09-805-664-6

Query Match
Best Local Similarity 74.4%; Score 13.4; DB 10; Length 836;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 3 GCGCGTCGTATTCC 17
Db 86 GCGCGTCGTATTCC 72

RESULT 14
US-09-805-664-7
; Sequence 7, Application US/09805664
; Patent No. US20020058260A1
; GENERAL INFORMATION:
; APPLICANT: zyskind, Judith W.
; APPLICANT: Forsyth, R. Allyn
; TITLE OF INVENTION: METHOD FOR IDENTIFYING MICROBIAL PROLIFERATION GENES
; FILE REFERENCE: 07252/008001
; CURRENT APPLICATION NUMBER: US/09/805,664
; PRIOR FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: US 08/971,090
; PRIOR FILING DATE: 1997-11-14
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 836
; TYPE: RNA
; ORGANISM: E. coli
US-09-805-664-7

Query Match
Best Local Similarity 74.4%; Score 13.4; DB 10; Length 836;
Matches 10; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

OY 3 GCGCGTCGTATTCC 17
Db 751 GCGCGTCGTATTCC 765

RESULT 15
US-09-791-171-7
; Sequence 7, Application US/09791171
; Patent No. US2002004336A1
; GENERAL INFORMATION:
; APPLICANT: ANDERSEN, Peter
; APPLICANT: NIELSEN, Rikke
; APPLICANT: OETTINGER, Thomas
; APPLICANT: RASMUSSEN, Peter Birk
; APPLICANT: ROSENKRANDS, Ida
; APPLICANT: WEIDINGH, Karin
; APPLICANT: FLORIO, Walter
; TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
; TITLE OF INVENTION: DERIVED FROM M. TUBERCULOSIS
; FILE REFERENCE: 670001-2002.1
; CURRENT APPLICATION NUMBER: US/09/791,171
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 09/050,739
; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 0376/97
; PRIOR FILING DATE: 1997-04-02
; PRIOR APPLICATION NUMBER: 1277/97
; PRIOR FILING DATE: 1997-11-10
; PRIOR APPLICATION NUMBER: 60/044,624
; PRIOR FILING DATE: 1997-04-18
; PRIOR APPLICATION NUMBER: 60/070,488
; PRIOR FILING DATE: 1998-01-05
; NUMBER OF SEQ ID NOS: 173
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SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 7
LENGTH: 898
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
us-09-791-171-7

Query Match 74.4%: Score 13.4; DB 10; Length 898;
Best Local Similarity 93.3%; Pred. No. 86;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 CGCGTCGGGTATTCG 18
|||||||
Db 509 CGCGTCGGCATTCG 523

Search completed: February 18, 2003, 06:56:27
Job time : 853.209 secs

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 16:07:27 ; Search time 29.1289 Seconds
(without alignments)
210.565 Million cell updates/sec

Title: US-09-362-485-12

Perfect score: 20

Sequence: 1 GCGCGTCGATTCGACCG 20

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153318381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_NA:*

1: /cgn2_6/ptodata2/ina/5A_COMB.seq:*

2: /cgn2_6/ptodata2/ina/5B_COMB.seq:*

3: /cgn2_6/ptodata2/ina/6A_COMB.seq:*

4: /cgn2_6/ptodata2/ina/6B_COMB.seq:*

5: /cgn2_6/ptodata2/ina/PCTUS_COMB.seq:*

6: /cgn2_6/ptodata2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	20	100.0	4403765	4 US-09-103-840A-2	Sequence 2, Appli
2	15.2	76.0	1439	4 US-09-056-556-167	Sequence 167, App
3	15.2	76.0	1439	4 US-09-072-596-162	Sequence 162, App
4	15.2	76.0	4800	3 US-09-106-638-1	Sequence 1, Appli
5	14.8	74.0	4403765	4 US-09-103-840A-2	Sequence 2, Appli
6	14.4	72.0	2310	1 US-08-525-654A-2	Sequence 2, Appli
7	14.4	72.0	2313	1 US-08-525-654A-4	Sequence 4, Appli
8	14.4	72.0	3394	1 US-08-525-654A-136	Sequence 136, App
9	14.2	71.0	700	4 US-09-216-097-7	Sequence 7, Appli
10	14.2	71.0	1026	4 US-07-751-891B-24	Sequence 24, Appli
11	14.2	71.0	1028	4 US-08-118-200-1	Sequence 1, Appli
12	14.2	71.0	1028	4 US-08-458-745-1	Sequence 1, Appli
13	14.2	71.0	2471	1 US-08-920-812-14	Sequence 14, Appli
14	14.2	71.0	2471	1 US-08-920-827-14	Sequence 14, Appli
15	14.2	71.0	2471	1 US-08-921-177-14	Sequence 14, Appli
16	14.2	71.0	2471	1 US-08-362-577C-14	Sequence 14, Appli
17	14.2	71.0	2471	2 US-08-920-828-14	Sequence 14, Appli
18	14.2	71.0	3836	2 US-08-216-260-1	Sequence 1, Appli
19	14.2	71.0	4188	4 US-07-751-891B-2	Sequence 2, Appli
20	14.2	71.0	4242	3 US-07-705-490-2	Sequence 2, Appli
21	14.2	71.0	4637	4 US-09-221-017B-818	Sequence 818, App
22	14.2	71.0	5222	4 US-07-751-891B-23	Sequence 23, Appli
23	14.2	71.0	28958	1 US-08-258-261B-6	Sequence 6, Appli
24	14.2	71.0	28958	1 US-08-456-837-6	Sequence 6, Appli
25	14.2	71.0	28958	1 US-08-457-342-6	Sequence 6, Appli
26	14.2	71.0	28958	1 US-08-457-646A-6	Sequence 6, Appli
27	14.2	71.0	28958	1 US-08-458-076A-6	Sequence 6, Appli

28	14.2	71.0	28958	1 US-08-764-233A-4	Sequence 4, Appli
29	14.2	71.0	28958	1 US-08-457-335A-6	Sequence 6, Appli
30	14.2	71.0	28958	1 US-08-729-214-6	Sequence 6, Appli
31	14.2	71.0	28958	3 US-09-028-934-6	Sequence 6, Appli
32	14.2	71.0	49377	1 US-08-764-233A-1	Sequence 1, Appli
33	14.2	71.0	49795	4 US-09-453-702B-60	Sequence 60, Appli
34	13.8	69.0	863	4 US-09-697-367-3	Sequence 3, Appli
35	13.8	69.0	1038	4 US-09-403-768-3	Sequence 3, Appli
36	13.6	68.0	311	3 US-08-937-580-20	Sequence 20, Appli
37	13.6	68.0	311	4 US-09-336-039-20	Sequence 20, Appli
38	13.6	68.0	390	4 US-08-651-155B-4	Sequence 4, Appli
39	13.6	68.0	1005	1 US-08-482-385A-2	Sequence 2, Appli
40	13.6	68.0	1705	4 US-08-702-665A-2	Sequence 2, Appli
41	13.6	68.0	1714	4 US-09-151-102-3	Sequence 3, Appli
42	13.6	68.0	1714	4 US-08-929-846-3	Sequence 3, Appli
43	13.6	68.0	2159	3 US-08-286-870A-7	Sequence 7, Appli
44	13.6	68.0	2232	4 US-08-810-712-8	Sequence 8, Appli
45	13.6	68.0	2728	1 US-08-482-385A-5	Sequence 5, Appli

ALIGNMENTS

```
RESULT 1
US-09-103-840A-2
: Sequence 2, Application US/09103840A
: Patent No. 6294328
: GENERAL INFORMATION:
: APPLICANT: FLEISCHMAN, Robert D.
: APPLICANT: WHITE, Owen K.
: APPLICANT: FRASER, Claire M.
: APPLICANT: VENTER, John C.
: TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
: FILE REFERENCE: 24366-20007.00
: CURRENT APPLICATION NUMBER: US/09/103,840A
: CURRENT FILING DATE: 1998-06-24
: NUMBER OF SEQ ID NOS: 2
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 2
: LENGTH: 4403765
: TYPE: DNA
: ORGANISM: Mycobacterium tuberculosis
: FEATURE:
: OTHER INFORMATION: CDC 1551
: OTHER INFORMATION: "n" bases at various positions throughout the sequence
: US-09-103-840A-2
:
Query Match      100.0%; Score 20; DB 4; Length 4403765;
Best local similarity 100.0%; Pred. No. 0.081;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GCGCGTCGATTCGACCG 20
Db 3081502 GCGCGTCGATTCGACCG 3081521

RESULT 2
US-09-056-556-167
: Sequence 167, Application US/09056556
: Patent No. 6350456
: GENERAL INFORMATION:
: APPLICANT: Reed, Steven G.
: APPLICANT: Skelky, Yasir A.W.
: APPLICANT: Dillon, David C.
: TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE PREVENTION AND
: CORRESPONDENCE ADDRESS:
: ADDRESS: SEED AND BERRY LLP
: STREET: 6300 Columbia Center, 701 Fifth Avenue
: CITY: Seattle
: STATE: Washington
```

COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/056,556
FILING DATE: 07-APR-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
TELEPHONE/DOCKET NUMBER: 210121.457
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 167:
SEQUENCE CHARACTERISTICS:
LENGTH: 1439 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-056-556-167

Query Match 76.0%; Score 15.2; DB 4; Length 1439;
Best Local Similarity 85.0%; Pred. No. 21;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGGTCGTATTCGACCG 20
11111111111111111111
Db 548 GCGCTCGGTTCGCCCG 567

RESULT 3
US-09-072-596-162
Sequence 162, Application US/09072596
Patent No. 6458366
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Skelky, Yasir A.W.
APPLICANT: Dillon, Davin C.
APPLICANT: Campos-Neto, Antonia
APPLICANT: Houghton, Raymond
APPLICANT: Veddyck, Thomas S.
APPLICANT: Twardzik, Daniel R.
APPLICANT: Lodes, Michael J.
APPLICANT: Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
TUBERCULOSIS
NUMBER OF SEQUENCES: 350
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104 7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/072,596
FILING DATE: 05-MAY-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 162:
SEQUENCE CHARACTERISTICS:
LENGTH: 1439 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-072-596-162

Query Match 76.0%; Score 15.2; DB 4; Length 1439;
Best Local Similarity 85.0%; Pred. No. 21;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGGTCGTATTCGACCG 20
11111111111111111111
Db 548 GCGCTCGGTTCGCCCG 567

RESULT 4
US-09-106-638-1/C
Sequence 1, Application US/09106638
Patent No. 6093556
GENERAL INFORMATION:
APPLICANT: Kanji NAKAMURA
APPLICANT: Hiroaki ISHIDA
TITLE OF INVENTION: GENE RECOMBINANT WITH BIODEGRADABILITY
TITLE OF INVENTION: FOR CHLORINATED ETHYLENE AND BIO-TREATMENT OF
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESS: E: C/O KURITA WATER INDUSTRIES LTD.
STREET: 4-7, Nishi-Shinjuku 3-Chome
CITY: Shinjuku-Ku
STATE: Tokyo
COUNTRY: Japan
ZIP: 160-0023
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk, 3.5 inches, 1.44mb storage
COMPUTER: IBM PC compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/106,638
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 174996/1997, Japan
FILING DATE: 30-June-1997
APPLICATION NUMBER: 174997/1997, Japan
FILING DATE: 30-June-1997
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4800 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
ORIGINAL SOURCE:
ORGANISM: Pseudomonas putida
INDIVIDUAL ISOLATE: KWI-9
FEATURE:
NAME/KEY: peptide
LOCATION: 127..345
IDENTIFICATION METHOD: E
OTHER INFORMATION: phe2 of phenol-hydroxylase
FEATURE:
NAME/KEY: peptide
LOCATION: 434..1429
IDENTIFICATION METHOD: E
OTHER INFORMATION: phe4 of phenol-hydroxylase
FEATURE:
NAME/KEY: peptide

LOCATION: 1440,1712
IDENTIFICATION METHOD: E
OTHER INFORMATION: phef of phenol-hydroxylase
FEATURE:
NAME/KEY: peptide
LOCATION: 1754,3268
IDENTIFICATION METHOD: E
OTHER INFORMATION: phef of phenol-hydroxylase
FEATURE:
NAME/KEY: peptide
LOCATION: 3301,3660
IDENTIFICATION METHOD: E
OTHER INFORMATION: phef of phenol-hydroxylase
FEATURE:
NAME/KEY: peptide
LOCATION: 3689,4756
IDENTIFICATION METHOD: E
OTHER INFORMATION: phef of phenol-hydroxylase
US-09-106-638-1

Query Match 76.0%; Score 15.2; DB 3; Length 4800;
Best Local Similarity 85.0%; Pred. No. 22;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 1 GCGCGTCGATTCGACCG 20
|||||
DB 48 GCGCGTCGATTCGACCG 29

RESULT 5
US-09-103-840A-2/c
Sequence 2, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: ERASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
TITLE OF INVENTION: TUBERCULOSIS
FILE REFERENCE: 24366-20007.00
CURRENT APPLICATION NUMBER: US/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 4403765
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
OTHER INFORMATION: CDC 1551
OTHER INFORMATION: "n" bases at various positions throughout the sequence
US-09-103-840A-2

Query Match 74.0%; Score 14.8; DB 4; Length 4403765;
Best Local Similarity 85.0%; Pred. No. 36;

Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 1 GCGCGTCGATTCGACCG 20
|||||
DB 3063798 GCGCGTCGATTCGACCG 3063779

RESULT 6
US-08-525-654A-2/c
Sequence 2, Application US/08525654A
Patent No. 5736356
GENERAL INFORMATION:
APPLICANT: SANO, KOICHIRO
APPLICANT: KUMAZAWA, YOSHIOKI
APPLICANT: YASUEDA, HISASHI
APPLICANT: SEGURO, KATSUYA

APPLICANT: MOTOKI, MASAO
TITLE OF INVENTION: TRANSGLUTAMINASE ORIGINATED FROM
TITLE OF INVENTION: CRASSOSTREA GIGAS
NUMBER OF SEQUENCES: 150
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MATER & NEUSTADT,
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/525,654A
FILING DATE: 28-SEP-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6/8284
FILING DATE: 28-JAN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7/3876
FILING DATE: 13-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NORMAN F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 10-760-0 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2310 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Crassostrea gigas
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..2310
US-08-525-654A-2

Query Match 72.0%; Score 14.4; DB 1; Length 2310;
Best Local Similarity 93.8%; Pred. No. 56;

Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 2 CCGCTCGATTCGCA 17
|||||
DB 1091 CCGCTCGATTCGCA 1076

RESULT 7
US-08-525-654A-4/c
Sequence 4, Application US/08525654A
Patent No. 5736356
GENERAL INFORMATION:
APPLICANT: SANO, KOICHIRO
APPLICANT: KUMAZAWA, YOSHIOKI
APPLICANT: YASUEDA, HISASHI
APPLICANT: SEGURO, KATSUYA
APPLICANT: MOTOKI, MASAO
TITLE OF INVENTION: TRANSGLUTAMINASE ORIGINATED FROM
TITLE OF INVENTION: CRASSOSTREA GIGAS
NUMBER OF SEQUENCES: 150
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MATER & NEUSTADT,
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22202

ATTORNEY/AGENT INFORMATION:
NAME: Friedmam, Mark M.
REGISTRATION NUMBER: 33,883
REFERENCE/DOCKET NUMBER: 128/33
TELECOMMUNICATION INFORMATION:
TELEPHONE: 972-3-5625553
TELEFAX: 972-3-5625554
TELEX:
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 700
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-09-236-097-7

Query Match 71.0%; Score 14.2; DB 4; Length 700;
Best Local Similarity 84.2%; Pred. No. 68;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 1 GCGCGTGTATTCGACC 19
||||| ||| ||| |||
DB 187 GCGCGTGTCTTTGACC 205

RESULT 10
US-07-751-891B-24
Sequence 24, Application US/07751891B
Patent No. 6180337
GENERAL INFORMATION:
APPLICANT: Caskey, C. T.
Nelson, David L.
Pieretti, Maura
Warren, Stephen T.
Oostra, Ben A.
Fu, Ying-hui
TITLE OF INVENTION: Diagnosis of the Fragile X Syndrome
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Thomas D. Paul
STREET: 1301 McKinney, Suite 5100
CITY: Houston
STATE: Texas
COUNTRY: U.S.A.
ZIP: 77010-3095
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/751,891B
FILING DATE: 29-Aug-1991
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Paul, Thomas D.
REGISTRATION NUMBER: 32,714
REFERENCE/DOCKET NUMBER: D-5350
TELECOMMUNICATION INFORMATION:
TELEPHONE: 713/651-5325
TELEFAX: 713/651-5246
TELEX: 762829
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 1026 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 24:
US-07-751-891B-24

Query Match 71.0%; Score 14.2; DB 4; Length 1026;

Best Local Similarity 84.2%; Pred. No. 70;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 1 GCGCGTGTATTCGACC 19
||||| ||| ||| |||
DB 98 GCGCGTGTCTTTGACC 116

RESULT 11
US-08-118-200-1
Sequence 1, Application US/08118200
Patent No. 6197500
GENERAL INFORMATION:
APPLICANT: SUTHERLAND Grant R
APPLICANT: RICHARDS, Albert I
APPLICANT: SCHLESINGER, David
APPLICANT: NAGARAJA, Kamalah
APPLICANT: KREMER, Eric J
APPLICANT: YU, Sui
APPLICANT: BAKER, Elizabeth
APPLICANT: MULLEY, John C
APPLICANT: MANDEL, Jean-Louis
APPLICANT: PRITCHARD, Melanie April
APPLICANT: LYNCH, Michael
TITLE OF INVENTION: DNA SEQUENCES RELATED TO ISOLATED
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHEIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/118,200
FILING DATE: 09-SEP-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/802,650
FILING DATE: 05-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/672,232
FILING DATE: 20-MAR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/638,518
FILING DATE: 04-JAN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/966,517
FILING DATE: 23-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Crane-Feury, Sharon E
REGISTRATION NUMBER: 36,113
REFERENCE/DOCKET NUMBER: 020160-164
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1028 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-118-200-1

Query Match 71.0%; Score 14.2; DB 4; Length 1028;
Best Local Similarity 84.2%; Pred. No. 70;

Matches 16: Conservative 0: Mismatches 3: Indels 0: Gaps 0:

OY 1 GCGCGTGGTATTCGACC 19
Db 97 GCGCGTGGTATTCGACC 115

RESULT 12

US-08-458-745-1
Sequence 1, Application US/08458745
Patent No. 6242576

GENERAL INFORMATION:

APPLICANT: SUTHERLAND, Grant R
APPLICANT: RICHARDS, Robert I
APPLICANT: SCHLESSINGER, David
APPLICANT: NAGARAJA, Ramiah
APPLICANT: KREMER, Eric J
APPLICANT: YU, Sui
APPLICANT: BAKER, Elizabeth
APPLICANT: MULLEY, John C
APPLICANT: MANDEL, Jean-Louis
APPLICANT: PRITCHARD, Melanie April
APPLICANT: LYNCH, Michael
TITLE OF INVENTION: DNA SEQUENCES RELATED TO ISOLATED
TITLE OF INVENTION: FRAGILE X SYNDROME
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SNECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22131-1404

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458,745
FILING DATE: 02-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION NUMBER:
APPLICATION NUMBER: US 08/118,200
FILING DATE: 09-SEP-1993
APPLICATION NUMBER: US 07/802,650
FILING DATE: 05-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/672,232
FILING DATE: 20-MAR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/638,518
FILING DATE: 04-JAN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/966,517
FILING DATE: 23-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Crane-Feury, Sharon E
REGISTRATION NUMBER: 36,113
REFERENCE/DOCKET NUMBER: 020160-164
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1028 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-458-745-1

Query Match 71.0%; Score 14.2; DP 4; Length 1028;

Best Local Similarity 84.2%; Pred. No. 70;
Matches 16: Conservative 0: Mismatches 3: Indels 0: Gaps 0:

OY 1 GCGCGTGGTATTCGACC 19
Db 97 GCGCGTGGTATTCGACC 115

RESULT 13

US-08-920-812-14
Sequence 14, Application US/08920812
Patent No. 5763188

GENERAL INFORMATION:

APPLICANT: Ohno, Tsuneya
APPLICANT: Matsuhisa, Akio
APPLICANT: Uehara, Hirotsugu
APPLICANT: Iida, Soji
TITLE OF INVENTION: Probe for Diagnosing Infectious Disease
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/920,812
FILING DATE: 29-AUG-1997
CLASSIFICATION: 435
PRIOR APPLICATION NUMBER:
APPLICATION NUMBER: US 08/362,577
FILING DATE: 27-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Rin-laures, Li-Hsien
REGISTRATION NUMBER: 33,547
REFERENCE/DOCKET NUMBER: 19036/32420
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-4856

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:
LENGTH: 2471 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
ORIGINAL SOURCE:
ORGANISM: Pseudomonas aeruginosa
STRAIN: Clinical Isolate P2-7
US-08-920-812-14

Query Match 71.0%; Score 14.2; DB 1; Length 2471;
Best Local Similarity 84.2%; Pred. No. 73;
Matches 16: Conservative 0: Mismatches 3: Indels 0: Gaps 0:

OY 1 GCGCGTGGTATTCGACC 19
Db 1632 GCGCGTGGTATTCGACC 1650

RESULT 14

US-08-920-827-14
Sequence 14, Application US/08920827
Patent No. 5770375
GENERAL INFORMATION:
APPLICANT: Ohno, Tsuneya

APPLICANT: Matsuhisa, Akio
APPLICANT: Uehara, Hirotsugu
APPLICANT: Eda, Soji
TITLE OF INVENTION: Probe for Diagnosing Infectious Disease
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/920,827
FILING DATE: 29-AUG-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/362,577
FILING DATE: 27-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Rin-Laures, Li-Hsien
REGISTRATION NUMBER: 33,547
REFERENCE/DOCKET NUMBER: 19036/32420
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 2471 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
ORIGINAL SOURCE:
ORGANISM: Pseudomonas aeruginosa
STRAIN: Clinical Isolate P2-7
US-08-920-827-14

Query Match 71.0%; Score 14.2; DB 1; Length 2471;
Best Local Similarity 84.2%; Pred. No. 73;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCGTCGATATTCGACC 19
||||| 1111111111111111
DB 1632 GCGCTTCGATATTCGACC 1650

RESULT 15
US-08-921-177-14
Sequence 14, Application US/08921177
Patent No. 5798211
GENERAL INFORMATION:
APPLICANT: Ueno, Tsuneya
APPLICANT: Matsuhisa, Akio
APPLICANT: Uehara, Hirotsugu
APPLICANT: Eda, Soji
TITLE OF INVENTION: Probe for Diagnosing Infectious Disease
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/921,177
FILING DATE: 29-AUG-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/362,577
FILING DATE: 27-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Rin-Laures, Li-Hsien
REGISTRATION NUMBER: 33,547
REFERENCE/DOCKET NUMBER: 19036/32420
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 2471 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
ORIGINAL SOURCE:
ORGANISM: Pseudomonas aeruginosa
STRAIN: Clinical Isolate P2-7
US-08-921-177-14

Query Match 71.0%; Score 14.2; DB 1; Length 2471;
Best Local Similarity 84.2%; Pred. No. 73;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCGTCGATATTCGACC 19
||||| 1111111111111111
DB 1632 GCGCTTCGATATTCGACC 1650

Search completed: February 17, 2003, 21:57:37
Job time : 2102.13 secs

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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 21:30:48 : Search time 106.899 Seconds
(without alignments)
95.291 Million cell updates/sec

Title: US-09-362-485-12

Sequence: 1 GCGCGTATTCGACCG 20

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 42/239 seqs, 254661826 residues

Total number of hits satisfying chosen parameters: 848478

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.*

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq.*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
- 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq.*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq.*
- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq.*
- 9: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
- 10: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
- 12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq.*
- 13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	15.4	77.0	US-09-854-133-321	Sequence 321, App
2	15.4	77.0	US-09-738-973-321	Sequence 321, App
3	15.2	76.0	US-10-074-246-64	Sequence 64, Appl
4	15.2	76.0	US-09-974-300-245	Sequence 245, Appl
5	14.8	74.0	US-09-974-300-536	Sequence 536, Appl
6	14.2	71.0	US-09-815-242-7668	Sequence 7668, Ap
7	14.2	71.0	US-09-738-626-2690	Sequence 2690, Ap
8	14.2	71.0	US-09-974-300-3152	Sequence 3152, Ap
9	14.2	71.0	US-09-815-242-7937	Sequence 7937, Ap
10	14.2	71.0	US-09-815-242-9645	Sequence 9645, Ap
11	14.2	71.0	US-09-894-998-38	Sequence 38, Appl
12	14.2	71.0	US-10-114-170-60	Sequence 60, Appl
13	14.2	71.0	US-09-738-626-1	Sequence 1, Appl
14	14.2	71.0	US-09-967-4778-7	Sequence 7, Appl
15	13.8	69.0	US-09-294-0938-5484	Sequence 5484, Ap
16	13.8	69.0	US-10-074-246-70	Sequence 70, Appl
17	13.8	69.0	US-10-074-246-69	Sequence 69, Appl
18	13.8	69.0	US-10-074-246-63	Sequence 63, Appl
19	13.8	69.0	US-09-918-909-3	Sequence 3, Appl

C	20	13.8	69.0	897	10	US-09-919-172-47	Sequence 47, Appl
	21	13.8	69.0	915	10	US-09-974-300-2523	Sequence 2523, Ap
	22	13.8	69.0	933	10	US-09-815-242-7992	Sequence 7992, Ap
C	23	13.8	69.0	993	10	US-09-974-300-136	Sequence 136, Appl
	24	13.8	69.0	1434	10	US-09-815-242-7982	Sequence 7982, Appl
	25	13.8	69.0	1452	10	US-09-815-242-4003	Sequence 4003, Ap
	26	13.8	69.0	1653	9	US-09-738-626-931	Sequence 931, Appl
	27	13.8	69.0	1935	10	US-09-070-927A-424	Sequence 424, Appl
C	28	13.8	69.0	2508	9	US-09-738-626-2305	Sequence 2305, Ap
	29	13.8	69.0	3699	9	US-09-738-626-812	Sequence 4071, Ap
C	30	13.8	69.0	4863	10	US-09-815-242-4071	Sequence 2009, Ap
	31	13.6	68.0	474	10	US-09-974-300-2009	Sequence 132, Appl
C	32	13.6	68.0	537	9	US-09-986-480-132	Sequence 333, Appl
	33	13.6	68.0	600	10	US-09-974-300-333	Sequence 66, Appl
C	34	13.6	68.0	628	9	US-10-074-246-66	Sequence 71, Appl
	35	13.6	68.0	729	9	US-10-074-246-71	Sequence 60, Appl
	36	13.6	68.0	745	9	US-10-074-246-60	Sequence 65, Appl
	37	13.6	68.0	802	9	US-10-074-246-65	Sequence 4048, Ap
C	38	13.6	68.0	1038	10	US-09-815-242-4048	Sequence 7936, Ap
	39	13.6	68.0	1254	10	US-09-815-242-7936	Sequence 1932, Ap
	40	13.6	68.0	1356	9	US-09-938-842A-1932	Sequence 3, Appl
C	41	13.6	68.0	1714	10	US-09-924-338-3	Sequence 116, Appl
	42	13.6	68.0	2232	10	US-09-962-832-116	Sequence 3791, Ap
	43	13.6	68.0	2232	10	US-09-880-107-3791	Sequence 153, Appl
	44	13.6	68.0	2328	10	US-09-925-301-153	Sequence 2903, Ap
	45	13.6	68.0	4963	10	US-09-764-877-2903	

ALIGNMENTS

RESULT 1
US-09-854-133-321
; Sequence 321, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 321
; LENGTH: 260
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(260)
; OTHER INFORMATION: n = A,T,C or G
US-09-854-133-321

Query Match 77.0%; Score 15.4; DB 9; Length 260;
Best Local Similarity 94.1%; Pred. No. 9, 7;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 CGTGGTATTCGACCG 20
||| ||||| ||||| |||||
Db 26 CGTAGGTATTCGACCG 42

RESULT 2
US-09-738-973-321
; Sequence 321, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.

```
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamach, Radooh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indrias, Carol Joseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738.973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 321
; LENGTH: 260
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(260)
; OTHER INFORMATION: n = A,T,C or G
US-09-738-973-321
```

```
Query Match          77.0%; Score 15.4; DB 10; Length 260;
Best Local Similarity 94.1%; Pred. No. 9.7;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
OY 4 GCGTCGATATCCGACCG 20
    ||| ||||| ||||| |||
Db 26 CGTAGGATATCCGACCG 42
```

```
RESULT 3
US-10-074-246-64
; Sequence 64, Application US/10074246
; Publication No. US20030027174A1
; GENERAL INFORMATION:
; APPLICANT: Universite Catholique de Louvain
; TITLE OF INVENTION: Identification of nucleotide sequences specific for mycobacterial
; TITLE OF INVENTION: pseudomonas species, development of differential diagnosis strat
; FILE REFERENCE: UCL-021-US
; CURRENT APPLICATION NUMBER: US/10/074,246
; CURRENT FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: US 60/269,848
; PRIOR FILING DATE: 2001-02-21
; PRIOR APPLICATION NUMBER: US 60/292,509
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: EP 01870030.2
; PRIOR FILING DATE: 2001-02-19
; NUMBER OF SEQ ID NOS: 89
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 64
; LENGTH: 712
; TYPE: DNA
; ORGANISM: Mycobacterium szulgai
US-10-074-246-64
```

```
Query Match          76.0%; Score 15.2; DB 9; Length 712;
Best Local Similarity 85.0%; Pred. No. 13;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
OY 1 GCGCTCGATATCCGACCG 20
    || ||||| ||||| |||
Db 38 GCTGCTCGATATCCGACCG 57
```

RESULT 4

```
US-09-974-300-245
; Sequence 245, Application US/09974300
; Patent No. US20020146721A1
; GENERAL INFORMATION:
; APPLICANT: Berka, Randy M.
; APPLICANT: Clausen, Ib Groth
; TITLE OF INVENTION: Methods for Monitoring Multiple Gene
; FILE REFERENCE: 10085.500-US
; CURRENT APPLICATION NUMBER: US/09/974,300
; CURRENT FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: 09/680,598
; PRIOR FILING DATE: 2000-10-06
; PRIOR APPLICATION NUMBER: 60/279,526
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 8481
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 245
; LENGTH: 1203
; TYPE: DNA
; ORGANISM: Bacillus licheniformis
US-09-974-300-245
```

```
Query Match          76.0%; Score 15.2; DB 10; Length 1203;
Best Local Similarity 85.0%; Pred. No. 13;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
OY 1 GCGCTCGATATCCGACCG 20
    ||||| ||||| ||| ||
Db 1054 GCGCTCGATATCCGACCG 1073
```

```
RESULT 5
US-09-974-300-556
; Sequence 556, Application US/09974300
; Patent No. US20020146721A1
; GENERAL INFORMATION:
; APPLICANT: Berka, Randy M.
; APPLICANT: Clausen, Ib Groth
; TITLE OF INVENTION: Methods for Monitoring Multiple Gene
; FILE REFERENCE: 10085.500-US
; CURRENT APPLICATION NUMBER: US/09/974,300
; CURRENT FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: 09/680,598
; PRIOR FILING DATE: 2000-10-06
; PRIOR APPLICATION NUMBER: 60/279,526
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 8481
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 556
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Bacillus licheniformis
US-09-974-300-556
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Query Match          74.0%; Score 14.8; DB 10; Length 2229;
Best Local Similarity 88.9%; Pred. No. 22;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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```
OY 3 GCGCTCGATATCCGACCG 20
    || ||||| ||||| |||
Db 491 GCATCGCATATCCGACCG 508
```

```
RESULT 6
US-09-815-242-7668/c
; Sequence 7668, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyskind, Judith W.
```

```

: APPLICANT: Wall, Daniel
: APPLICANT: Trawick, John D.
: APPLICANT: Carr, Grant J.
: APPLICANT: Yamamoto, Robert T.
: TITLE OF INVENTION: Identification of Essential Genes in
: TITLE OF INVENTION: Prokaryotes
: FILE REFERENCE: ELITRA.011A
: CURRENT APPLICATION NUMBER: US/09/815,242
: CURRENT FILING DATE: 2001-03-21
: PRIOR APPLICATION NUMBER: 60/191,078
: PRIOR FILING DATE: 2000-03-21
: PRIOR APPLICATION NUMBER: 60/206,848
: PRIOR FILING DATE: 2000-05-23
: PRIOR APPLICATION NUMBER: 60/207,727
: PRIOR FILING DATE: 2000-05-26
: PRIOR APPLICATION NUMBER: 60/242,578
: PRIOR FILING DATE: 2000-10-23
: PRIOR APPLICATION NUMBER: 60/253,625
: PRIOR FILING DATE: 2000-11-27
: PRIOR APPLICATION NUMBER: 60/257,931
: PRIOR FILING DATE: 2000-12-22
: PRIOR APPLICATION NUMBER: 60/269,308
: PRIOR FILING DATE: 2001-02-16
: NUMBER OF SEQ ID NOS: 14110
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO: 7668
: LENGTH: 384
: TYPE: DNA
: ORGANISM: Klebsiella pneumoniae
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (1)...(384)
: US-09-815-242-7668

Query Match      71.0%: Score 14.2: DB 10: Length 384:
Best Local Similarity 84.2%: Pred. No. 47:
Matches 16: Conservative 0: Mismatches 3: Indels 0: Gaps 0:

QY      2  CGCGTCGATATTCGACCG 20
          |||||  ||  |||||
Db      258 CGCGTCGATATTCGACCG 240

RESULT 7
: US-09-738-626-2690/c
: Sequence 2690, Application US/09738626
: Publication No. US20020197605A1
: GENERAL INFORMATION:
: APPLICANT: NAKAGAWA, SATOSHI
: APPLICANT: MIZOGUCHI, HIROSHI
: APPLICANT: ANDO, SEIKO
: APPLICANT: HAYASHI, MIKIO
: APPLICANT: OCHIAI, KEIKO
: APPLICANT: YOKOI, HARUHIKO
: APPLICANT: TATEISHI, NAKO
: APPLICANT: SENO, AKIHIRO
: APPLICANT: IKEDA, MASATO
: APPLICANT: OZAKI, AKIO
: TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
: FILE REFERENCE: 249-125
: CURRENT APPLICATION NUMBER: US/09/738,626
: CURRENT FILING DATE: 2000-12-18
: PRIOR APPLICATION NUMBER: JP 99/377484
: PRIOR FILING DATE: 1999-12-16
: PRIOR APPLICATION NUMBER: JP 00/159162
: PRIOR FILING DATE: 2000-04-07
: PRIOR APPLICATION NUMBER: JP 00/280988
: PRIOR FILING DATE: 2000-08-03
: NUMBER OF SEQ ID NOS: 7059
: SOFTWARE: PatentIn ver. 3.0
: SEQ ID NO: 2690
: LENGTH: 627
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```

: TYPE: DNA
: ORGANISM: Corynebacterium glutamicum
: US-09-738-626-2690

Query Match      71.0%: Score 14.2: DB 9: Length 627:
Best Local Similarity 84.2%: Pred. No. 48:
Matches 16: Conservative 0: Mismatches 3: Indels 0: Gaps 0:

QY      1  CGCGTCGATATTCGACCG 19
          ||||  ||||  ||||  ||
Db      468 CGCGATCGGATATTCGCGCC 450

RESULT 8
: US-09-974-300-3152
: Sequence 3152, Application US/09974300
: Patent No. US20020146721A1
: GENERAL INFORMATION:
: APPLICANT: Berka, Randy M.
: APPLICANT: Clausen, Jb Groth
: TITLE OF INVENTION: Methods for Monitoring Multiple Gene
: FILE REFERENCE: 10085,500-US
: CURRENT APPLICATION NUMBER: US/09/974,300
: CURRENT FILING DATE: 2001-10-05
: PRIOR APPLICATION NUMBER: 09/680,598
: PRIOR FILING DATE: 2000-10-06
: PRIOR APPLICATION NUMBER: 60/279,526
: PRIOR FILING DATE: 2001-03-27
: NUMBER OF SEQ ID NOS: 8481
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO: 3152
: LENGTH: 741
: TYPE: DNA
: ORGANISM: Bacillus licheniformis
: US-09-974-300-3152

Query Match      7.0%: Score 14.2: DB 10: Length 741:
Best Local Similarity 8.2%: Pred. No. 48:
Matches 16: Conservative 0: Mismatches 3: Indels 0: Gaps 0:

QY      2  CGCGTCGATATTCGACCG 20
          ||||  ||  |||||
Db      654 CGGTTGGGATATTCGACCG 672

RESULT 9
: US-09-815-242-7937
: Sequence 7937, Application US/09815242
: Patent No. US20020061569A1
: GENERAL INFORMATION:
: APPLICANT: Haselbeck, Robert
: APPLICANT: Ohlsen, Karl W.
: APPLICANT: Zyskind, Judith W.
: APPLICANT: Wall, Daniel
: APPLICANT: Trawick, John D.
: APPLICANT: Carr, Grant J.
: APPLICANT: Yamamoto, Robert T.
: APPLICANT: Xu, H. Howard
: TITLE OF INVENTION: Identification of Essential Genes in
: FILE REFERENCE: ELITRA.011A
: CURRENT APPLICATION NUMBER: US/09/815,242
: CURRENT FILING DATE: 2001-03-21
: PRIOR APPLICATION NUMBER: 60/191,078
: PRIOR FILING DATE: 2000-03-21
: PRIOR APPLICATION NUMBER: 60/206,848
: PRIOR FILING DATE: 2000-05-23
: PRIOR APPLICATION NUMBER: 60/207,727
: PRIOR FILING DATE: 2000-05-26
: PRIOR APPLICATION NUMBER: 60/242,578
: PRIOR FILING DATE: 2000-10-23
: PRIOR APPLICATION NUMBER: 60/253,625
```

```

: PRIOR FILING DATE: 2000-11-27
: PRIOR APPLICATION NUMBER: 60/257,931
: PRIOR FILING DATE: 2000-12-22
: PRIOR APPLICATION NUMBER: 60/269,308
: PRIOR FILING DATE: 2001-02-16
: NUMBER OF SEQ ID NOS: 14110
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 7937
: LENGTH: 1362
: TYPE: DNA
: ORGANISM: Pseudomonas aeruginosa
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (1)...(1362)
US-09-815-242-7937

Query Match          71.0%; Score 14.2; DB 10; Length 1362;
Best Local Similarity 84.2%; Pred. No. 48;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 GCGGTCGGTATTCGACC 19
Db      1023 GCACGCGGTATCCGACC 1041
      11 11 111111 111111

RESULT 10
US-09-815-242-9845/C
: Sequence 9845, Application US/09815242
: Patent No. US20020061569A1
: GENERAL INFORMATION:
: APPLICANT: Haselbeck, Robert
: APPLICANT: Ohlsen, Karl L.
: APPLICANT: Zyskind, Judith W.
: APPLICANT: Wall, Daniel
: APPLICANT: Trawick, John D.
: APPLICANT: Carr, Grant J.
: APPLICANT: Yamamoto, Robert T.
: APPLICANT: Xu, H. Howard
: TITLE OF INVENTION: Identification of Essential Genes in
: FILE REFERENCE: ELITRA.011A
: CURRENT APPLICATION NUMBER: US/09/815,242
: CURRENT FILING DATE: 2001-03-21
: PRIOR APPLICATION NUMBER: 60/191,078
: PRIOR FILING DATE: 2000-03-21
: PRIOR APPLICATION NUMBER: 60/206,848
: PRIOR FILING DATE: 2000-05-23
: PRIOR APPLICATION NUMBER: 60/207,727
: PRIOR FILING DATE: 2000-05-26
: PRIOR APPLICATION NUMBER: 60/242,578
: PRIOR FILING DATE: 2000-10-23
: PRIOR APPLICATION NUMBER: 60/253,625
: PRIOR FILING DATE: 2000-11-27
: PRIOR APPLICATION NUMBER: 60/257,931
: PRIOR FILING DATE: 2000-12-22
: PRIOR APPLICATION NUMBER: 60/269,308
: PRIOR FILING DATE: 2001-02-16
: NUMBER OF SEQ ID NOS: 14110
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 9845
: LENGTH: 1806
: TYPE: DNA
: ORGANISM: Salmonella typhi
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (1)...(1806)
US-09-815-242-9845

Query Match          71.0%; Score 14.2; DB 10; Length 1806;
Best Local Similarity 84.2%; Pred. No. 49;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      2 CCGGTCGGTATTCGACCG 20

```

```

Db      1068 CGCATCGGTATCGACCG 1050
      111 1111111 1 111111

RESULT 11
US-09-894-938-38
: Sequence 38, Application US/09894998
: Patent No. US20020090610A1
: GENERAL INFORMATION:
: APPLICANT: Hosken, Nancy Ann
: APPLICANT: Craig H. Day
: APPLICANT: David C. Dillon
: APPLICANT: McCoonan, Patrick
: APPLICANT: Sleath, Paul
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
: FILE REFERENCE: 210121.538
: CURRENT APPLICATION NUMBER: US/09/894,998
: CURRENT FILING DATE: 2001-06-28
: NUMBER OF SEQ ID NOS: 64
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 38
: LENGTH: 2517
: TYPE: DNA
: ORGANISM: HSV-2
US-09-894-998-38

Query Match          71.0%; Score 14.2; DB 10; Length 2517;
Best Local Similarity 84.2%; Pred. No. 49;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      2 CCGGTCGGTATTCGACCG 20
Db      889 CGGTCGGAATCCGACCG 907
      11 111111 1 11111111

RESULT 12
US-10-114-170-60/C
: Sequence 60, Application US/10114170
: Publication No. US20030023075A1
: GENERAL INFORMATION:
: APPLICANT: Blatner, Frederick R.
: APPLICANT: Burland, Valerie T.
: APPLICANT: Perna, Nicole T.
: APPLICANT: Plunkett, Gary
: APPLICANT: Welch, Ted
: TITLE OF INVENTION: No. US20030023075A1el Sequences of E. coli O157
: NUMBER OF SEQUENCES: 265
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Quarles & Brady
: STREET: 1 South Pinckney Street
: CITY: Madison
: STATE: WI
: COUNTRY: US
: ZIP: 53701-2113
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette, 3.50 inch, 1.44MB storage
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Word Perfect 8.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/10/114,170
: FILING DATE: 01-Apr-2002
: CLASSIFICATION: <Unknown>
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 09/453,702
: FILING DATE: 03-DEC-1999
: APPLICATION NUMBER: 60/110,955
: FILING DATE: 04-DEC-1998
: ATTORNEY/AGENT INFORMATION:
: NAME: Seay, Nicholas J.
: REGISTRATION NUMBER: 27386
: REFERENCE/DOCKET NUMBER: 960296.95017

```

```

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 251-5000
; TELEFAX: (608) 251-9166
; INFORMATION FOR SEQ ID NO: 60:
;     SEQUENCE CHARACTERISTICS:
;         LENGTH: 49795
;         TYPE: nucleic acid
;         STRANDEDNESS: double
;         TOPOLOGY: linear
;     MOLECULE TYPE: DNA (genomic)
;     SEQUENCE DESCRIPTION: SEQ ID NO: 60:
US-10-114-170-60
;
Query Match          71.0%; Score 14.2; DB 9; Length 49795;
Best Local Similarity 84.2%; Pred. No. 53;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 1 GCGCGTCGATTCGACC 19
    ||||| ||||| ||||| ||||| |||||
Db 35958 GCGCGAGAGTATCCGACC 35940

RESULT 13
US-09-738-626-1
; Sequence 1, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAOKO
; APPLICANT: SENOH, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738, 626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO 1
; LENGTH: 3309400
; TYPE: DNA
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-1
;
Query Match          71.0%; Score 14.2; DB 9; Length 3309400;
Best Local Similarity 84.2%; Pred. No. 49;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 1 GCGCGTCGATTCGACC 19
    ||||| ||||| ||||| ||||| |||||
Db 2594127 GCGCATCGGATTCGACC 2594145

RESULT 14
US-09-967-477B-7
; Sequence 7, Application US/09967477B
; Patent No. US20020156254A1
; GENERAL INFORMATION:
; APPLICANT: XIAO QIU
; APPLICANT: HAIPING HONG
; TITLE OF INVENTION: PAD4, PAD5, PAD5-2, AND PAD6, NOVEL
; TITLE OF INVENTION: FATTY ACID DESATURASE FAMILY MEMBERS AND USES THEREOF
```

```

; FILE REFERENCE: BNZ-001
; CURRENT APPLICATION NUMBER: US/09/967,477B
; CURRENT FILING DATE: 2002-04-16
; PRIOR APPLICATION NUMBER: 60/236,303
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: 60/297,562
; PRIOR FILING DATE: 2001-06-12
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 1380
; TYPE: DNA
; ORGANISM: Thrauslochytium sp.
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1380)
US-09-967-477B-7
;
Query Match          70.0%; Score 14; DB 9; Length 1380;
Best Local Similarity 100.0%; Pred. No. 63;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GCGCGTCGATTC 14
    ||||| ||||| ||||| ||||| |||||
Db 1145 GCGCGTCGATTC 1158

RESULT 15
US-09-294-093B-5484
; Sequence 5484, Application US/09294093B
; Patent No. US2001005135A1
; GENERAL INFORMATION:
; APPLICANT: Lalundi, Raghnallh, V.
; APPLICANT: Ito, Laura, Y.
; APPLICANT: Sherman, Bradley, K.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN TASSEL
; FILE REFERENCE: Pl-0009 US
; CURRENT APPLICATION NUMBER: US/09/294,093B
; CURRENT FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 60/082,567
; PRIOR FILING DATE: April 21, 1998
; NUMBER OF SEQ ID NOS: 6207
; SOFTWARE: PERL Program
; SEQ ID NO 5484
; LENGTH: 287
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20010051335A1 700356860H1
; NAME/KEY: unsure
; LOCATION: 32-58, 95, 97, 100, 154, 168, 170, 184, 186
; OTHER INFORMATION: a, l, c, y, or other
US-09-294-093B-5484
;
Query Match          69.0%; Score 13.8; DB 10; Length 287;
Best Local Similarity 88.2%; Pred. No. 79;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCGCGTCGATTCGA 17
    ||||| ||||| ||||| ||||| |||||
Db 33 GCGCGCCGATTCGA 49

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Job time : 796.899 secs
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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 16:07:27 : Search time 26.216 Seconds
(without alignments)
210.565 Million cell updates/sec

Title: US-09-362-485-13
Perfect score: 18
Sequence: 1 GAGACCAAAAACACGAA 18

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapept 1.0

Searched: 441362 seqs, 1533381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :
1: Issued_Patents_NA:*
2: /cgn2_6/ptodata/2/ina/5A.COMB.seq:*
3: /cgn2_6/ptodata/2/ina/5B.COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6A.COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCTUS.COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	18	100.0	4403765	4 US-09-103-840A-2	Sequence 2, Appl 1
2	15	83.3	1047	4 US-09-671-950-9	Sequence 9, Appl 1
3	15	83.3	1047	4 US-09-671-950-11	Sequence 11, Appl 1
4	14.8	82.2	874	1 US-08-120-607A-10	Sequence 10, Appl 1
5	14.8	82.2	4138	1 US-08-447-411-75	Sequence 75, Appl 1
6	14.8	82.2	4138	2 US-08-662-227-33	Sequence 33, Appl 1
7	14.8	82.2	4138	2 US-09-017-947-33	Sequence 33, Appl 1
8	14.8	82.2	5211	1 US-08-447-411-1	Sequence 1, Appl 1
9	14.8	82.2	10669	4 US-08-961-527-57	Sequence 57, Appl 1
10	14.4	80.0	5194	1 US-09-599-652-1	Sequence 1, Appl 1
11	14.4	80.0	5194	2 US-08-642-846-1	Sequence 1, Appl 1
12	14.4	80.0	5194	4 US-09-264-604-1	Sequence 1, Appl 1
13	14.4	80.0	6755	3 US-08-931-999-7	Sequence 4, Appl 1
14	14.4	80.0	112132	4 US-09-741-150-3	Sequence 3, Appl 1
15	13.8	76.7	307	4 US-09-221-298-98	Sequence 98, Appl 1
16	13.8	76.7	481	4 US-09-643-597-290	Sequence 290, Appl 1
17	13.8	76.7	806	4 US-09-222-575-86	Sequence 86, Appl 1
18	13.8	76.7	974	1 US-08-220-606B-29	Sequence 29, Appl 1
19	13.8	76.7	1059	4 US-08-476-102A-8	Sequence 8, Appl 1
20	13.8	76.7	1095	1 US-08-220-606B-1	Sequence 1, Appl 1
21	13.8	76.7	1293	4 US-09-134-001C-144	Sequence 144, Appl 1
22	13.8	76.7	1743	1 US-08-171-382-3	Sequence 3, Appl 1
23	13.8	76.7	1743	1 US-08-309-420-3	Sequence 3, Appl 1
24	13.8	76.7	1743	1 US-08-309-419-3	Sequence 3, Appl 1
25	13.8	76.7	1743	5 PCT-US95-11856-3	Sequence 3, Appl 1
26	13.8	76.7	1743	5 PCT-US95-11878-3	Sequence 3, Appl 1
27	13.8	76.7	2392	1 US-08-171-382-5	Sequence 5, Appl 1

28	13.8	76.7	2392	1 US-08-309-420-5	Sequence 5, Appl 1
29	13.8	76.7	2392	1 US-08-309-419-5	Sequence 5, Appl 1
30	13.8	76.7	2392	5 PCT-US95-11856-5	Sequence 5, Appl 1
31	13.8	76.7	2392	5 PCT-US95-11878-5	Sequence 5, Appl 1
32	13.8	76.7	2621	2 US-08-553-619B-8	Sequence 8, Appl 1
33	13.8	76.7	2655	4 US-08-456-200B-10	Sequence 10, Appl 1
34	13.8	76.7	4071	4 US-09-091-117-3	Sequence 3, Appl 1
35	13.8	76.7	4243	4 US-08-477-831C-7	Sequence 7, Appl 1
36	13.8	76.7	4379	1 US-08-592-214A-17	Sequence 17, Appl 1
37	13.8	76.7	4379	1 US-09-149-976-17	Sequence 17, Appl 1
38	13.8	76.7	4919	4 US-08-456-200B-2	Sequence 2, Appl 1
39	13.8	76.7	5596	4 US-08-965-762-3	Sequence 3, Appl 1
40	13.8	76.7	7032	2 US-08-149-097D-24	Sequence 24, Appl 1
41	13.8	76.7	7032	3 US-08-949-386-24	Sequence 24, Appl 1
42	13.8	76.7	7032	3 US-08-450-562-24	Sequence 24, Appl 1
43	13.8	76.7	7032	4 US-08-984-709A-24	Sequence 24, Appl 1
44	13.8	76.7	7032	4 US-08-450-272-24	Sequence 24, Appl 1
45	13.8	76.7	7089	3 US-08-949-386-25	Sequence 25, Appl 1

ALIGNMENTS

```

RESULT 1
US-09-103-840A-2
: Sequence 2, Application US/09103840A
: Patent No. 6294328
: GENERAL INFORMATION:
: APPLICANT: FLEISCHMAN, Robert D.
: APPLICANT: WHITE, Owen R.
: APPLICANT: FRASER, Claire M.
: APPLICANT: VENTER, John C.
: TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
: FILE REFERENCE: 24366-20007.00
: CURRENT APPLICATION NUMBER: US/09/103,840A
: CURRENT FILING DATE: 1998-06-24
: NUMBER OF SEQ ID NOS: 2
: SOFTWARE: Patentin Ver. 2.1
: SEQ ID NO 2
: LENGTH: 4403765
: TYPE: DNA
: ORGANISM: Mycobacterium tuberculosis
: FEATURE:
: OTHER INFORMATION: "n" bases at various positions throughout the sequence
: OTHER INFORMATION: deposited at, l, c or g
US-09-103-840A-2

Query Match          100.0%: Score 18; DB 4; Length 4403765;
Best local similarity 100.0%: Pred. No. 14;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY      1 GAGACCAAAAACACGAA 18
Db 3081521 GAGACCAAAAACACGAA 3081538

RESULT 2
US-09-671-950-9
: Sequence 9, Application US/09671950
: Patent No. 6368830
: GENERAL INFORMATION:
: APPLICANT: Lampe, David
: APPLICANT: Akertley, Brian
: APPLICANT: Rubin, Eric
: APPLICANT: Robertson, Hugh
: TITLE OF INVENTION: Hyperactive Mutants of Himarl Transposase and Methods
: FILE REFERENCE: 79-99
: CURRENT APPLICATION NUMBER: US/09/671,950
: CURRENT FILING DATE: 2000-09-27
: PRIOR APPLICATION NUMBER: 60/157,680

```

PRIOR FILING DATE: 1999-10-01
NUMBER OF SEQ ID NOS: 20
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 9
LENGTH: 1047
TYPE: DNA
ORGANISM: Haematobia irritans
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(1044)
US-09-671-950-9

Query Match 83.3%; Score 15; DB 4; Length 1047;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 GACCAAAACACGGA 17
|||||
Db 379 GACCAAAACACGGA 393

RESULT 3
US-09-671-950-11
Sequence 11, Application US/09671950
Patent No. 6368830
GENERAL INFORMATION:
APPLICANT: Lampe, David
APPLICANT: Aketley, Brian
APPLICANT: Rudin, Eric
APPLICANT: Robertson, Hugh
TITLE OF INVENTION: Hyperactive Mutants of Himar1 Transposase and Methods
FILE REFERENCE: 79-99
CURRENT APPLICATION NUMBER: US/09/671,950
CURRENT FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: 60/157,680
PRIOR FILING DATE: 1999-10-01
NUMBER OF SEQ ID NOS: 20
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 11
LENGTH: 1047
TYPE: DNA
ORGANISM: Haematobia irritans
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(1044)
US-09-671-950-11

Query Match 83.3%; Score 15; DB 4; Length 1047;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 GACCAAAACACGGA 17
|||||
Db 379 GACCAAAACACGGA 393

RESULT 4
US-08-120-607A-10/C
Sequence 10, Application US/08120607A
Patent No. 5762939
GENERAL INFORMATION:
APPLICANT: Smith, Gale E.
APPLICANT: Volvovitz, Franklin
APPLICANT: Wilkinson, Betnadle
APPLICANT: Hackett, Craig
TITLE OF INVENTION: A METHOD FOR PRODUCING INFLUENZA
TITLE OF INVENTION: HEMAGGLUTININ MULTIVALENT VACCINES
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Thomas J. Kowalski
STREET: 530 Fifth Avenue
CITY: New York

STATE: NY
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/120,607A
FILING DATE: September 13, 1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Kowalski, Thomas J.
REGISTRATION NUMBER: 32,147
REFERENCE/DOCKET NUMBER: 674501-2001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 840-3333
TELEFAX: (212) 840-0712
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 874 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: RNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Influenza virus
US-08-120-607A-10

Query Match 82.2%; Score 14.8; DB 1; Length 874;
Best Local Similarity 88.9%; Pred. No. 2e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GAGACCAAAACACGAA 18
|||||
Db 431 GAGACCAAAACACGAA 414

RESULT 5
US-08-447-411-75
Sequence 75, Application US/08447411
Patent No. 5773243
GENERAL INFORMATION:
APPLICANT: FRIEDINGER, DAVID C.
APPLICANT: BREDEHORST, REINHARD
APPLICANT: VOGEL, CARL-WILHELM
TITLE OF INVENTION: DNA ENCODING COBRA C3, CVF1, AND CVF2
NUMBER OF SEQUENCES: 81
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT,
ADDRESS: P.C.
STREET: 1755 S. Jefferson Davis Highway, Suite 400
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/447,411
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/043,747
FILING DATE: 07-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Oblon, No. 5773243man F.

REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 1126-101-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 75:
SEQUENCE CHARACTERISTICS:
LENGTH: 4138 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 3..4001
US-08-447-411-75

Query Match 82.2%; Score 14.8; DB 1; Length 4138;
Best Local Similarity 88.9%; Pred. No. 2.3e+02;
Matches 16: Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GAGACCAAAACACGAA 18
|||||
Db 2961 GAGACCAACTCAACGAA 2978

RESULT 6
US-08-662-227-33
Sequence 33, Application US/08662227
Patent No. 5922320
GENERAL INFORMATION:
APPLICANT: VOGEL, CARL-WILHELM
APPLICANT: BREDEHORST, REINHORST
APPLICANT: KOCK, MICHAEL
APPLICANT: FRITZINGER, DAVID
TITLE OF INVENTION: RECOMBINANT PROCVF
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/662,227
FILING DATE: 14-JUN-1996
CLASSIFICATION: 330
ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NORMAN F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 1126-0107-0X
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 4138 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-662-227-33

Query Match 82.2%; Score 14.8; DB 2; Length 4138;
Best Local Similarity 88.9%; Pred. No. 2.3e+02;

Matches 16: Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GAGACCAAAACACGAA 18
|||||
Db 2961 GAGACCAACTCAACGAA 2978

RESULT 7
US-09-017-947-33

Sequence 33, Application US/09017947
Patent No. 6303754
GENERAL INFORMATION:
APPLICANT: VOGEL, CARL-WILHELM
APPLICANT: BREDEHORST, REINHORST
APPLICANT: KOCK, MICHAEL
APPLICANT: FRITZINGER, DAVID
TITLE OF INVENTION: RECOMBINANT PROCVF
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/017,947
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: S 08/662,227
FILING DATE: 14-JUN-1996
ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NORMAN F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 1126-0107-0X
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220
INFORMATION FOR SEQ ID NO: 44:
SEQUENCE CHARACTERISTICS:
LENGTH: 4138 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-09-017-947-33

Query Match 82.2%; Score 14.8; DB 4; Length 4138;
Best Local Similarity 88.9%; Pred. No. 2.3e+02;
Matches 16: Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GAGACCAAAACACGAA 18
|||||
Db 2961 GAGACCAACTCAACGAA 2978

RESULT 8
US-08-447-411-1

Sequence 1, Application US/08447411
Patent No. 5773243
GENERAL INFORMATION:
APPLICANT: FRITZINGER, DAVID C.
APPLICANT: BREDEHORST, REINHARD
APPLICANT: VOGEL, CARL-WILHELM
TITLE OF INVENTION: DNA ENCODING COBRA C3, CVF1, AND CVF2
NUMBER OF SEQUENCES: 81

CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT,
ADDRESS: P.C.
STREET: 1755 S. Jefferson Davis Highway, Suite 400
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/447,411
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/043,747
FILING DATE: 07-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Oblon, No. 5773243man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 1126-101-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 5211 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 9..4961
US-08-447-411-1
Query Match 82.2%; Score 14.8; DB 1; Length 5211;
Best local Similarity 88.9%; Pred. No. 2.4e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 GAGACCAAAACACGAA 18
DB 3936 GAGACCAAACTCAACGAA 3953
RESULT 9
US-08-961-527-57/c
Sequence 57, Application US/08961527
Patent No. 6420135
GENERAL INFORMATION:
APPLICANT: Charles Kunsch
TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences
NUMBER OF SEQUENCES: 391
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44M storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/961,527
FILING DATE:
CLASSIFICATION: 424

PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PB340P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 57:
SEQUENCE CHARACTERISTICS:
LENGTH: 10669 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-961-527-57

Query Match 82.2%; Score 14.8; DB 4; Length 10669;
Best local Similarity 88.9%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GAGACCAAAACACGAA 18
DB 7816 GAGACCAAAAGAAATGAA 7799

RESULT 10
US-09-599-652-1
Sequence 1, Application US/09599652
Patent No. RE37741
GENERAL INFORMATION:
APPLICANT: HOSFETTER, MARGARET K.
APPLICANT: GALE, CHERYL A.
APPLICANT: BENDEL, CATHERINE M.
APPLICANT: TAO, NIAN-JUN
APPLICANT: KENDRICK, KATHLEEN
TITLE OF INVENTION: CANDIDA ALBICANS GENE, INTEGRIN-LIKE
TITLE OF INVENTION: PEPTIDEIN, ANTIBODIES, AND METHODS OF USE
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: METTING, RANSCHE, GEBIAKOV & SCHWAPPACH, P.A.
STREET: 119 NORTH FOURTH STREET, SUITE 203
CITY: MINNEAPOLIS
STATE: MINNESOTA
COUNTRY: USA
ZIP: 55407
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/599,652
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/642,846
FILING DATE: 03-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: METTING, ANN M.
REGISTRATION NUMBER: 33,977
REFERENCE/DOCKET NUMBER: 110,00280101
TELECOMMUNICATION INFORMATION:
TELEPHONE: 612-305-1217
TELEFAX: 612-305-1228
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 5194 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)


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; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/710,561
; FILING DATE: 19-SEP-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Collins, John M.
; REGISTRATION NUMBER: 26,262
; REFERENCE/DOCKET NUMBER: 25043-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 816/474-9050
; TELEFAX: 816/474-9057
; INFORMATION FROM SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6755 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Staphylococcus aureus
; STRAIN: UT0007
; US-08-931-999-4

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```

Query Match      80.0%; Score 14.4; DB 3; Length 6755;
Best Local Similarity 93.8%; Pred. No. 3.6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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OY 2 AGACCAAAACACGA 17
Db 6189 AGACCAAAACACAA 6204

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RESULT 14
US-09-741-150-3/C
; Sequence 3, Application US/09741150
; Patent No. 6436689
; GENERAL INFORMATION:
; APPLICANT: GUEGLER, Karl et al
; TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
; FILE REFERENCE: C1000968
; CURRENT APPLICATION NUMBER: US/09/741,150
; CURRENT FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 112132
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(112132)
; OTHER INFORMATION: n = A,T,C or G
US-09-741-150-3

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```

Query Match      80.0%; Score 14.4; DB 4; Length 112132;
Best Local Similarity 93.8%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

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OY 2 AGACCAAAACACGA 17
Db 35147 AGACCAAAACACAA 35132

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RESULT 15
US-09-221-298-98/C
; Sequence 98, Application US/09221298
; Patent No. 6284241
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun

```

```

; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471
; CURRENT APPLICATION NUMBER: US/09/221,298
; CURRENT FILING DATE: 1998-12-23
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 98
; LENGTH: 307
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (3)
; OTHER INFORMATION: where n is a, c, g or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (15)
; OTHER INFORMATION: where n is a, c, g or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (19)
; OTHER INFORMATION: where n is a, c, g or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (20)
; OTHER INFORMATION: where n is a, c, g or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (25)
; OTHER INFORMATION: where n is a, c, g or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (28)
; OTHER INFORMATION: where n is a, c, g or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (43)
; OTHER INFORMATION: where n is a, c, g or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (70)
; OTHER INFORMATION: where n is a, c, g or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (75)
; OTHER INFORMATION: where n is a, c, g or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (81)
; OTHER INFORMATION: where n is a, c, g or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (102)
; OTHER INFORMATION: where n is a, c, g or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (139)
; OTHER INFORMATION: where n is a, c, g or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (162)
; OTHER INFORMATION: where n is a, c, g or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (203)
; OTHER INFORMATION: where n is a, c, g or t
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (259)
; OTHER INFORMATION: where n is a, c, g or t
; FEATURE:
; NAME/KEY: modified_base

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LOCATION: (260)
OTHER INFORMATION: where n is a, c, g or t
FEATURE:
NAME/KEY: modified_base
LOCATION: (283)
OTHER INFORMATION: where n is a, c, g or t
FEATURE:
NAME/KEY: modified_base
LOCATION: (295)
OTHER INFORMATION: where n is a, c, g or t
US-09-221-298-98

Query Match 76.7%; Score 13.8; DB 4; Length 307;
Best Local Similarity 88.2%; Pred. No. 5.1e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GAGACCAAAAACAACGA 17
|||||||
Db 233 GAGACCAAAATCAACCA 217

Search completed: February 17, 2003, 22:14:54
Job time : 1063.22 secs

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 21:30:48 : Search time 96.2091 Seconds
(without alignments)
95.291 Million cell updates/sec

Title: US-09-362-485-13
Perfect score: 18
Sequence: 1 GAGACCAAAAACACGAA 18

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 424239 seqs, 25461826 residues

Total number of hits satisfying chosen parameters: 848478

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/2/pubpna/PCF_NEW_PUB.seq:*
3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
6: /cgn2_6/ptodata/2/pubpna/FCIOS_PUBCOMB.seq:*
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11: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB	ID	Description
1	15.4	85.6	229	10	US-09-867-701-7685	Sequence 7685, Ap
2	15.4	85.6	1591	10	US-09-880-107-1621	Sequence 1621, Ap
3	15.4	85.6	2213	10	US-09-070-927A-79	Sequence 79, Appl
4	15.4	85.6	5063	9	US-09-931-375A-1	Sequence 1, Appl
5	15.4	85.6	32191	10	US-09-764-864-1678	Sequence 1678, Ap
6	14.8	82.2	111	10	US-09-770-696-778	Sequence 778, Ap
7	14.8	82.2	433	12	US-10-078-929-15	Sequence 15, Appl
8	14.8	82.2	508	12	US-10-078-929-17	Sequence 17, Appl
9	14.8	82.2	1127	9	US-09-822-846-350	Sequence 350, Ap
10	14.8	82.2	1422	9	US-09-938-842A-3548	Sequence 3548, Ap
11	14.8	82.2	2000	10	US-09-887-576-139	Sequence 139, Ap
12	14.8	82.2	4138	10	US-09-925-442-33	Sequence 33, Appl
13	14.8	82.2	4607	10	US-09-070-927A-294	Sequence 294, Appl
14	14.8	82.2	15363	10	US-09-070-927A-279	Sequence 279, Appl
15	14.4	80.0	373	10	US-09-770-791-303	Sequence 303, Appl
16	14.4	80.0	377	10	US-09-878-574-3651	Sequence 3651, Appl
17	14.4	80.0	497	10	US-09-783-590-3151	Sequence 3151, Appl
18	14.4	80.0	678	10	US-09-770-149-153	Sequence 353, Appl
19	14.4	80.0	693	9	US-09-910-664-45	Sequence 45, Appl

20	14.4	80.0	813	9	US-09-910-664-21	Sequence 21, Appl
21	14.4	80.0	978	9	US-09-938-842A-1549	Sequence 1549, Appl
22	14.4	80.0	1128	9	US-09-738-626-1424	Sequence 1424, Appl
23	14.4	80.0	1383	10	US-09-741-669-271	Sequence 271, Appl
24	14.4	80.0	5194	9	US-10-002-389-1	Sequence 1, Appl
25	14.4	80.0	9797	10	US-09-070-927A-550	Sequence 550, Appl
26	14.4	80.0	121	10	US-09-864-761-20408	Sequence 20408, Appl
27	14.4	77.8	403	10	US-09-864-761-3640	Sequence 3640, Appl
28	14.4	77.8	593	10	US-09-864-761-13141	Sequence 13141, Appl
29	14.4	77.8	1516	9	US-09-938-842A-3178	Sequence 3178, Appl
30	14.4	77.8	2004	10	US-09-887-576-260	Sequence 260, Appl
31	13.8	76.7	174	10	US-09-728-445-890	Sequence 890, Appl
32	13.8	76.7	255	10	US-09-867-550-427	Sequence 427, Appl
33	13.8	76.7	282	10	US-09-923-876-3213	Sequence 3213, Appl
34	13.8	76.7	307	9	US-10-025-380-98	Sequence 98, Appl
35	13.8	76.7	307	10	US-09-922-117-98	Sequence 98, Appl
36	13.8	76.7	307	10	US-09-833-263-98	Sequence 98, Appl
37	13.8	76.7	328	10	US-09-960-352-6936	Sequence 6936, Appl
38	13.8	76.7	337	10	US-09-770-791-878	Sequence 878, Appl
39	13.8	76.7	344	10	US-09-770-791-794	Sequence 794, Appl
40	13.8	76.7	364	10	US-09-770-791-446	Sequence 446, Appl
41	13.8	76.7	373	10	US-09-924-035A-635	Sequence 635, Appl
42	13.8	76.7	388	10	US-09-770-791-47	Sequence 47, Appl
43	13.8	76.7	405	10	US-09-960-352-7525	Sequence 7525, Appl
44	13.8	76.7	416	10	US-09-880-107-328	Sequence 328, Appl
45	13.8	76.7	457	10	US-09-770-444-508	Sequence 508, Appl

ALIGNMENTS

RESULT 1
US-09-867-701-7685
Sequence 7685, Application US/09867701
Patent No. US20020132237A1
GENERAL INFORMATION:
APPLICANT: Agiate, Paul A.
APPLICANT: Jones, Robert
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO: 7685
LENGTH: 229
TYPE: DNA
ORGANISM: Homo sapien
US-09-867-701-7685
Query Match 85.6%; Score 15.4; DB 10; Length 229;
Best Local Similarity 94.1%; Pred. No. 2e+02; Mismatches 1; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 2 AGACCAAAAACACGAA 18
DB 144 AGACCAAAAACACGAA 160
RESULT 2
US-09-880-107-1621/C
Sequence 1621, Application US/09880107
Patent No. US20020142981A1
GENERAL INFORMATION:
APPLICANT: Horne, Darci T.
APPLICANT: Vockley, Joseph G.
APPLICANT: Scherf, Uwe
APPLICANT: Gene Logic, Inc.
TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
FILE REFERENCE: 44921-5028-WO
CURRENT APPLICATION NUMBER: US/09/880,107

CURRENT FILING DATE: 2001-06-14
PRIOR APPLICATION NUMBER: US 60/211,379
PRIOR FILING DATE: 2000-06-14
PRIOR APPLICATION NUMBER: US 60/237,054
PRIOR FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 3950
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1621
LENGTH: 1991
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: Genbank Accession No. US20020142981A1 D16481
US-09-880-107-1621

Query Match 85.6%; Score 15.4; DB 10; Length 1991;
Best Local Similarity 94.1%; Pred. No. 2.5e+02;
Matches 16; Conservative 1; Indels 0; Gaps 0;

OY 1 GAGACCAAAACACGCA 17
DB 1725 GAGACCAAAACACGCA 1709

RESULT 3
US-09-070-927A-79/c
Sequence 79, Application US/09070927A
Patent No. US20020120116A1
GENERAL INFORMATION:
APPLICANT: Charles A. Kunsch
Patrick J. Dillon
Steven Barash

TITLE OF INVENTION: Enterococcus faecialis Polynucleotides and polypeptides
NUMBER OF SEQUENCES: 982
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/070,927A
FILING DATE: 04-May-2000
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/046,655
FILING DATE: 1997-05-16
APPLICATION NUMBER: 60/044,031
FILING DATE: 1997-05-06
APPLICATION NUMBER: 60/066,009
FILING DATE: 1997-11-14

ATTORNEY/AGENT INFORMATION:
NAME: Kenley K. Hoover
REGISTRATION NUMBER: 40,302
REFERENCE/DOCKET NUMBER: PB369
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8512
TELEFAX: (301) 309-8512

INFORMATION FOR SEQ ID NO: 79:
SEQUENCE CHARACTERISTICS:
LENGTH: 2213 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 79:
US-09-070-927A-79

Query Match 85.6%; Score 15.4; DB 10; Length 2213;
Best Local Similarity 94.1%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 2 AGACCAAAACACGCA 18
DB 2151 AGACCAAAACACGCA 2135

RESULT 4
US-09-931-375A-1
Sequence 1, Application US/09931375A
Publication No. US20030027151A1
GENERAL INFORMATION:
APPLICANT: WARMAN, Matthew L.
APPLICANT: GONG, Yaogin
APPLICANT: OLSEN, Bjorn R.
APPLICANT: RAMADI, Georges
APPLICANT: ROMAN-ROMAN, Sergiu
TITLE OF INVENTION: REGULATOR GENE AND SYSTEM USEFUL FOR THE DIAGNOSIS AND THERAPY
FILE REFERENCE: 38464-0004
CURRENT APPLICATION NUMBER: US/09/931,375A
CURRENT FILING DATE: 2001-08-17
PRIOR APPLICATION NUMBER: US 60/304,851
PRIOR FILING DATE: 2001-07-13
PRIOR APPLICATION NUMBER: US 60/234,337
PRIOR FILING DATE: 2000-09-22
PRIOR APPLICATION NUMBER: US 60/226,119
PRIOR FILING DATE: 2000-08-18
NUMBER OF SEQ ID NOS: 89
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1
LENGTH: 5063
TYPE: DNA
ORGANISM: Homo sapiens
US-09-931-375A-1

Query Match 85.%; Score 15.4; DB 9; Length 5063;
Best Local Similarity 94.1%; Pred. No. 3.2e+02;
Matches 16; Conservative 1; Indels 0; Gaps 0;

OY 1 GAGACCAAAACACGCA 17
DB 2032 GAGACCAATACACGCA 2048

RESULT 5
US-09-764-864-1678/c
Sequence 1678, Application US/09764864
Patent No. US20020132753A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: P1723
CURRENT APPLICATION NUMBER: US/09/764,864
CURRENT FILING DATE: 2001-01-17
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 1792
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1678
LENGTH: 32191
TYPE: DNA
ORGANISM: Homo sapiens
US-09-764-864-1678

Query Match 85.6%; Score 15.4; DB 10; Length 32191;
Best Local Similarity 94.1%; Pred. No. 3.2e+02;
Matches 16; Conservative 1; Indels 0; Gaps 0;

OY 2 AGACCAAAACACGCA 18
DB 17989 AGACCAAAACACGCA 17973

```
RESULT 6
US-09-770-696-778/c
; Sequence 778, Application US/09770696
; Patent No. US20010044940A1
; GENERAL INFORMATION:
; APPLICANT: Gottsch, John
; APPLICANT: An, Yong-Qiang
; APPLICANT: Hamilton, Carol M.
; APPLICANT: Price, Jennifer L.
; APPLICANT: Raines, Tracy M.
; APPLICANT: Yu, Yang
; APPLICANT: Rameaka, Joshua G.
; APPLICANT: Page, Amy
; APPLICANT: Mathew, Abraham V.
; APPLICANT: Ledford, Brooke L.
; APPLICANT: Moessner, Jeffrey P.
; APPLICANT: Haas, William David
; APPLICANT: Garcia, Carlos A.
; APPLICANT: Kicker, Maja
; APPLICANT: Slader, Ted
; APPLICANT: Davis, Keith R.
; APPLICANT: Allen, Keith
; APPLICANT: Hoffman, Neil
; APPLICANT: Hurlan, Patrick
; TITLE OF INVENTION: Expressed Sequences of Arabidopsis
; FILE REFERENCE: 2031US (PARA-020PRV)
; CURRENT APPLICATION NUMBER: US/09/770,696
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/178,278
; PRIOR FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 911
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 778
; LENGTH: 111
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; US-09-770-696-778

Query Match      82.2%; Score 14.8; DB 10; Length 111;
Best Local Similarity 88.9%; Pred. No. 3.4e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Cy      1 GAGACCAAAAACACGAA 18
Db      103 GAAACCAAAAACAAAGAA 86

RESULT 7
US-10-078-929-15/c
; Sequence 15, Application US/10078929
; Patent No. US20020152497A1
; GENERAL INFORMATION:
; APPLICANT: Rafalski, Antoni
; APPLICANT: Miao, Guo-Hua
; APPLICANT: Falco, Saverio Carl
; APPLICANT: Sakai, Hajime
; APPLICANT: Famodu, Omolayo O.
; APPLICANT: Odell, Joan T.
; APPLICANT: Meyers, Blake
; APPLICANT: Thorpe, Catherine
; APPLICANT: Weng, Zude
; TITLE OF INVENTION: Nucleic Acid Fragments Encoding Proteins Involved in
; FILE REFERENCE: BB1357 US NA
; CURRENT APPLICATION NUMBER: US/10/078,929
; CURRENT FILING DATE: 2002-02-19
; PRIOR APPLICATION NUMBER: 09/566,394
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: 60/133038
; PRIOR FILING DATE: 1999-05-07
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```

; PRIOR APPLICATION NUMBER: 60/133042
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: 60/133427
; PRIOR FILING DATE: 1999-05-11
; PRIOR APPLICATION NUMBER: 60/133437
; PRIOR FILING DATE: 1999-05-11
; PRIOR APPLICATION NUMBER: 60/133428
; PRIOR FILING DATE: 1999-05-11
; PRIOR APPLICATION NUMBER: 60/133438
; PRIOR FILING DATE: 1999-05-11
; PRIOR APPLICATION NUMBER: 60/133436
; PRIOR FILING DATE: 1999-05-11
; PRIOR APPLICATION NUMBER: 60/137667
; PRIOR FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 208
; SOFTWARE: Micros/ft Office 97
; SEQ ID NO 15
; LENGTH: 433
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (411)
; US-10-078-929-15

Query Match      82.2%; Score 14.8; DB 12; Length 433;
Best Local Similarity 88.9%; Pred. No. 3.9e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Cy      1 GAGACCAAAAACACGAA 18
Db      350 GAGACCATTAACACGCGAA 333

RESULT 8
US-10-078-929-17/c
; Sequence 17, Application US/10078929
; Patent No. US20020152497A1
; GENERAL INFORMATION:
; APPLICANT: Rafalski, Antoni
; APPLICANT: Miao, Guo-Hua
; APPLICANT: Falco, Saverio Carl
; APPLICANT: Sakai, Hajime
; APPLICANT: Famodu, Omolayo O.
; APPLICANT: Odell, Joan T.
; APPLICANT: Meyers, Blake
; APPLICANT: Thorpe, Catherine
; APPLICANT: Weng, Zude
; TITLE OF INVENTION: Nucleic Acid Fragments Encoding Proteins Involved in
; FILE REFERENCE: BB1357 US NA
; CURRENT APPLICATION NUMBER: US/10/078,929
; CURRENT FILING DATE: 2002-02-19
; PRIOR APPLICATION NUMBER: 09/566,394
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: 60/133038
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: 60/133042
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: 60/133427
; PRIOR FILING DATE: 1999-05-11
; PRIOR APPLICATION NUMBER: 60/133437
; PRIOR FILING DATE: 1999-05-11
; PRIOR APPLICATION NUMBER: 60/133428
; PRIOR FILING DATE: 1999-05-11
; PRIOR APPLICATION NUMBER: 60/133438
; PRIOR FILING DATE: 1999-05-11
; PRIOR APPLICATION NUMBER: 60/133436
; PRIOR FILING DATE: 1999-05-11
; PRIOR APPLICATION NUMBER: 60/137667
; PRIOR FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 208
; SOFTWARE: Microsoft Office 97
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SEQ ID NO 17
LENGTH: 508
TYPE: DNA
ORGANISM: Zea mays
US-10-078-929-17

Query Match 82.2%; Score 14.8; DB 12; Length 508;
Best Local Similarity 88.9%; Pred. No. 4e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GAGACCAAAACACGAA 18
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Db 359 GAGACCATAAACACGAA 342

RESULT 9

US-09-822-846-350
Sequence 350, Application US/09822846
Publication No. US20030027139A1
GENERAL INFORMATION:

APPLICANT: Jacobs, Kenneth
APPLICANT: McCoy, John M.
APPLICANT: Lavallie, Edward R.
APPLICANT: Collins-Racie, Lisa A.
APPLICANT: Evans, Cheryl
APPLICANT: Merberg, David
APPLICANT: Treacy, Maurice
APPLICANT: Agostino, Michael J.
APPLICANT: Steininger II, Robert J.
APPLICANT: Bowman, Michael R.
APPLICANT: Spaulding, Vilki
APPLICANT: Wong, Gordon G.
APPLICANT: Clark, Hilary
APPLICANT: Fectel, Kim
APPLICANT: Howes, Steven H.
APPLICANT: Resnick, Richard J.
APPLICANT: Gulukota, Kamalakr
APPLICANT: Graham, James R.
APPLICANT: Genetics Institute, Inc.
TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
FILE REFERENCE: GIN 6400
CURRENT APPLICATION NUMBER: US/09/822,846
CURRENT FILING DATE: 2001-03-29
PRIOR APPLICATION NUMBER: 60/195,605
PRIOR FILING DATE: 2000-04-06
NUMBER OF SEQ ID NOS: 629
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 350
LENGTH: 1127
TYPE: DNA
ORGANISM: Homo sapiens
US-09-822-846-350

Query Match 82.2%; Score 14.8; DB 9; Length 1127;
Best Local Similarity 88.9%; Pred. No. 4.3e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GAGACCAAAACACGAA 18
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Db 168 GAAACCAAAACACGAA 185

RESULT 10

US-09-938-842A-3548
Sequence 3548, Application US/09938842A
Patent No. US20020160378A1
GENERAL INFORMATION:

APPLICANT: Harper, Jeff
APPLICANT: Kieps, Joel
APPLICANT: Wang, Xun
APPLICANT: Zhu, Tong
TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
TITLE OF INVENTION: SAME, AND METHODS OF USE

FILE REFERENCE: SRRIP1300-3
CURRENT APPLICATION NUMBER: US/09/938,842A
CURRENT FILING DATE: 2001-08-24
PRIOR APPLICATION NUMBER: US 60/227,866
PRIOR FILING DATE: 2000-08-24
PRIOR APPLICATION NUMBER: US 60/264,647
PRIOR FILING DATE: 2001-01-16
PRIOR APPLICATION NUMBER: US 60/300,111
PRIOR FILING DATE: 2001-06-22
NUMBER OF SEQ ID NOS: 5379
SEQ ID NO 3548
LENGTH: 1422
TYPE: DNA
ORGANISM: Arabidopsis thaliana
US-09-938-842A-3548

Query Match 82.2%; Score 14.8; DB 9; Length 1422;
Best Local Similarity 88.9%; Pred. No. 4.4e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GAGACCAAAACACGAA 18
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Db 92 GAGACCAACACACGAA 109

RESULT 11
US-09-887-576-139
Sequence 139, Application US/09887576
Patent No. US20020144047A1
GENERAL INFORMATION:

APPLICANT: Budworth, P.
APPLICANT: Brown, D.
APPLICANT: Chang, H.
APPLICANT: Zhu, T.
APPLICANT: Han, B.
APPLICANT: Wang, X.
APPLICANT: Cooper, Bret
TITLE OF INVENTION: Promoters for regulation of plant expression
FILE REFERENCE: 1360.001051
CURRENT APPLICATION NUMBER: US/09/887,576
CURRENT FILING DATE: 2001-06-25
PRIOR APPLICATION NUMBER: US 60/213,848
PRIOR FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: US 60/214,087
PRIOR FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: US 60/258,692
PRIOR FILING DATE: 2000-12-29
NUMBER OF SEQ ID NOS: 875
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 139
LENGTH: 2000
TYPE: DNA
ORGANISM: Arabidopsis thaliana
US-09-887-576-139

Query Match 82.2%; Score 14.8; DB 10; Length 2000;
Best Local Similarity 88.9%; Pred. No. 4.6e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GAGACCAAAACACGAA 18
||||| ||||| |||||
Db 1770 GAGACCAAAACACGAA 1787

RESULT 12

US-09-925-442-33
Sequence 33, Application US/09925442
Patent No. US20020103346A1
GENERAL INFORMATION:

APPLICANT: VOGEL, CARL-WILHELM
BREDEHORST, REINHORST
KOCK, MICHAEL
FRITZINGER, DAVID

TITLE OF INVENTION: RECOMBINANT PROCV
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
P.C.
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/925,442
FILING DATE: 10-Aug-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/017,947
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NORMAN F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 1126-0107-0X
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 4138 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 33:
US-09-925-442-33
Query Match 82.2%; Score 14.8; DB 10; Length 4138;
Best Local Similarity 88.9%; Pred. No. 4.9e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 GAGACCAAAACACGAA 18
DB 2961 GAGACCAAACTCAACGAA 2978
RESULT 13
US-09-070-927A-294
Sequence 294, Application US/09070927A
Patent No. US20020120116A1
GENERAL INFORMATION:
APPLICANT: Charles A. Kunsch
Patrick J. Dillon
Steven Barash
TITLE OF INVENTION: Enterococcus faecialis Polynucleotides and Polypeptides
NUMBER OF SEQUENCES: 982
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/070,927A
FILING DATE: 04-May-2000

CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/046,655
FILING DATE: 1997-05-16
APPLICATION NUMBER: 60/044,031
FILING DATE: 1997-05-06
APPLICATION NUMBER: 60/066,009
FILING DATE: 1997-11-14
ATTORNEY/AGENT INFORMATION:
NAME: Kenley K. Hoover
REGISTRATION NUMBER: 40,302
REFERENCE/DOCKET NUMBER: PB369
TELECOMMUNICATION INFORMATION:
TELEPHONE: (401) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 294:
SEQUENCE CHARACTERISTICS:
LENGTH: 4607 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 294:
US-09-070-927A-294
Query Match 82.2%; Score 14.8; DB 10; Length 4607;
Best Local Similarity 88.9%; Pred. No. 5e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 GAGACCAAAACACGAA 18
DB 2682 GAGACCAAAACACGAA 2699
RESULT 14
US-09-070-927A-294/c
Sequence 279, Application US/09070927A
Patent No. US:0020120116A1
GENERAL INFORMATION:
APPLICANT: Charles A. Kunsch
Patrick J. Dillon
Steven Barash
TITLE OF INVENTION: Enterococcus faecialis Polynucleotides and Polypeptides
NUMBER OF SEQUENCES: 982
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/070,927A
FILING DATE: 04-May-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/046,655
FILING DATE: 1997-05-16
APPLICATION NUMBER: 60/044,031
FILING DATE: 1997-05-06
APPLICATION NUMBER: 60/066,009
FILING DATE: 1997-11-14
ATTORNEY/AGENT INFORMATION:
NAME: Kenley K. Hoover
REGISTRATION NUMBER: 40,302
REFERENCE/DOCKET NUMBER: PB369
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512

INFORMATION FOR SEQ ID NO: 279:
SEQUENCE CHARACTERISTICS:
LENGTH: 15363 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 279:
US-09-070-927A-279

Query Match 82.2% Score 14.8; DB 10; Length 15363;
Best Local Similarity 88.9%; Pred. No. 5.6e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GAGACCAAAACACGAA 18
|||
DB 3515 GAAACCAAAATCAACGAA 3498

RESULT 15
US-09-770-791-303/c
Sequence 303, Application US/09770791
Patent No. US2002062014A1
GENERAL INFORMATION:
APPLICANT: Gorlach, Jörn
APPLICANT: An, Yong-Qiang
APPLICANT: Hamilton, Carol M.
APPLICANT: Price, Jennifer L.
APPLICANT: Raines, Tracy M.
APPLICANT: Yu, Yang
APPLICANT: Rameaka, Joshua G.
APPLICANT: Page, Amy
APPLICANT: Mathew, Abraham V.
APPLICANT: Ledford, Brooke L.
APPLICANT: Moessner, Jeffrey P.
APPLICANT: Haas, William David
APPLICANT: Garcia, Carlos A.
APPLICANT: Kricker, Maja
APPLICANT: Slader, Ted
APPLICANT: Davis, Keith R.
APPLICANT: Allen, Keith
APPLICANT: Hoffman, Neil
APPLICANT: Hurban, Patrick
TITLE OF INVENTION: Expressed Sequences of Arabidopsis
TITLE OF INVENTION: thaliana
FILE REFERENCE: 2029 (PARA-018PRV)
CURRENT APPLICATION NUMBER: US/09/770,791
CURRENT FILING DATE: 2001-01-26
PRIOR APPLICATION NUMBER: 60/178,480
PRIOR FILING DATE: 2000-01-27
NUMBER OF SEQ ID NOS: 999
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 303
LENGTH: 373
TYPE: DNA
ORGANISM: Arabidopsis thaliana
US-09-770-791-303

Query Match 80.0% Score 14.4; DB 10; Length 373;
Best Local Similarity 93.8%; Pred. No. 5.9e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 2 AGACCAAAACACGAA 17
|||
DB 253 AGCCCAAAATCAACGAA 238

Search completed: February 18, 2003, 07:08:05
Job time : 104.209 secs

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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 16:07:27 ; Search time 36.4112 Seconds

(without alignments)
210.565 Million cell updates/sec

Title: US-09-362-485-14

Perfect score: 25

Sequence: 1 GAATTCATCATCAGCAATCTTGACAGA 25

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapept 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*

1: /cgn2_6/ptodata/2/1na/5A.COMB.seq:**
2: /cgn2_6/ptodata/2/1na/5B.COMB.seq:**
3: /cgn2_6/ptodata/2/1na/6A.COMB.seq:**
4: /cgn2_6/ptodata/2/1na/6B.COMB.seq:**
5: /cgn2_6/ptodata/2/1na/PTCDS.COMB.seq:**
6: /cgn2_6/ptodata/2/1na/Backfile1.seq:**

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	21.8	87.2	4403765	4	US-09-103-840A-2
2	16.8	67.2	2202	4	US-09-465-558-59
3	16.6	66.4	807	1	US-08-270-584A-1
4	16.6	66.4	807	2	US-08-765-192-1
5	16.6	66.4	807	3	US-09-199-793-1
6	16.6	66.4	959	1	US-08-568-031-1
7	16.6	66.4	959	2	US-08-966-319-1
8	16.6	66.4	959	3	US-09-153-304-1
9	16.6	66.4	2188	1	US-07-882-925A-4
10	16.6	66.4	2188	1	US-08-184-012C-4
11	16.6	66.4	2266	2	US-08-724-394A-18
12	16.6	66.4	3805	4	US-09-221-017B-923
13	16.6	66.4	6751	1	US-07-882-925A-5
14	16.6	66.4	6751	1	US-08-184-012C-5
15	16.6	66.4	7147	4	US-08-961-527-23
16	16.6	66.4	43360	4	US-09-453-702B-206
17	16.6	66.4	45325	4	US-09-453-702B-261
18	16.6	66.4	246240	2	US-08-724-394A-20
19	16.6	66.4	246240	2	US-08-724-394A-21
20	16.6	66.4	246240	2	US-08-724-394A-22
21	16.2	64.8	1225	1	US-08-547-182-1
22	16.2	64.8	1395	3	US-08-467-023-140
23	16.2	64.8	1410	3	US-08-467-023-139
24	16.2	64.8	1479	3	US-08-467-023-141
25	16.2	64.8	1726	3	US-08-467-023-133
26	16.2	64.8	13187	4	US-09-422-936-61
27	16	64.0	46	1	US-08-427-640-28

28	16	64.0	669	3	US-09-181-183-27	Sequence 27, Appl
29	16	64.0	669	4	US-09-280-040-27	Sequence 27, Appl
30	16	64.0	669	4	US-09-277-700-27	Sequence 27, Appl
31	16	64.0	862	3	US-08-713-569-4	Sequence 7, Appl
32	16	64.0	1068	1	US-08-427-640-7	Sequence 4, Appl
33	16	64.0	1350	3	US-08-462-351-1	Sequence 1, Appl
34	16	64.0	1350	4	US-09-602-807-1	Sequence 1, Appl
35	16	64.0	2200	1	US-08-272-255-21	Sequence 21, Appl
36	16	64.0	2200	5	PCF-US95-08565-21	Sequence 21, Appl
37	16	64.0	28720	4	US-09-341-587-7	Sequence 7, Appl
38	15.8	63.2	2003	3	US-08-468-011A-1	Sequence 1, Appl
39	15.8	63.2	2003	4	US-09-236-468A-1	Sequence 1, Appl
40	15.8	63.2	2003	5	PCF-US95-07085-1	Sequence 1, Appl
41	15.6	62.4	607	4	US-09-328-111-419	Sequence 1, Appl
42	15.6	62.4	1384	4	US-09-372-422A-17	Sequence 17, Appl
43	15.6	62.4	1750	4	US-09-345-882-28	Sequence 28, Appl
44	15.6	62.4	1854	4	US-09-724-864-29	Sequence 29, Appl
45	15.6	62.4	2012	2	US-08-555-568B-16	Sequence 16, Appl

ALIGNMENTS

```
RESULT 1
US-09-103-840A-2
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; US-09-103-840A-2

Query Match      87.2%: Score 21.8; DB 4; Length 4403765;
Best Local Similarity 92.0%: Pred. No. 0.87;
Matches 23; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GAATTCATCATCAGCAATCTTGACAGA 25
Db 3081425 GAATTCATCATCAGCAATCTTGACAGA 3081449

RESULT 2
US-09-465-558-59/c
; Sequence 59, Application US/09465558
; Patent No. 6436657
; GENERAL INFORMATION:
; APPLICANT: Morakinyo, Layo O.
; APPLICANT: Orozco Jr, Emil M.
; TITLE OF INVENTION: TETRAHYDROFOLATE METABOLIC ENZYMES
; FILE REFERENCE: B81322 US NA
; CURRENT APPLICATION NUMBER: US/09/465,558
; CURRENT FILING DATE: 1999-12-17
; EARLIER APPLICATION NUMBER: 60/112,734
; EARLIER FILING DATE: 1998-12-18
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: Microsoft Office 97
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SEQ ID NO 59
LENGTH: 2202
TYPE: DNA
ORGANISM: Glycine max
US-09-465-558-59

Query Match 67.2% Score 16.8; DB 4; Length 2202;
Best Local Similarity 90.0% Pred. No. 48;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GAATCCCATCAGCAATCTT 20
|||||
DB 1101 GAATCCCATCAGCAATATT 1082

RESULT 3
US-08-270-584A-1
Sequence 1, Application US/08270584A
Patent No. 5710035
GENERAL INFORMATION:
APPLICANT: GREENE, ET AL.
TITLE OF INVENTION: Human Elastase IV
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESSES:
ADDRESSEE: CAREILA, BYRNE, BAIN, GILFILLAN,
ADDRESSEE: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/270,584A
FILING DATE: July 5, 1994
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: FERRARO, GREGORY D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-126
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 807 BASE PAIRS
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: CDNA
US-08-270-584A-1

Query Match 66.4% Score 16.6; DB 1; Length 807;
Best Local Similarity 82.6% Pred. No. 49;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

OY 3 ATTCCCATCAGCAATCTTGCAGA 25
|||||
DB 364 ATTGCCCTCATCAAGCTTGAGA 386

RESULT 4
US-08-765-192-1
Sequence 1, Application US/08765192
Patent No. 5851814
GENERAL INFORMATION:

APPLICANT: Greene, John et al.
TITLE OF INVENTION: Human Elastase IV
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: MD
COUNTRY: US
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/765,192
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Brookes, A. Andrus
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PFI250S
TELECOMMUNICATION INFORMATION:
TELEPHONE: 3013098439
TELEFAX: 3013098504
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 807 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-765-192-1

Query Match 66.4% Score 16.6; DB 2; Length 807;
Best Local Similarity 82.6% Pred. No. 49;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

OY 3 ATTCCCATCAGCAATCTT AGA 25
|||||
DB 364 ATTGCCCTCATCAAGCTTGAGA 386

RESULT 5
US-09-199-793-1
Sequence 1, Application US/09199793
Patent No. 6107075
GENERAL INFORMATION:
APPLICANT: Greene, John et al.
TITLE OF INVENTION: Human Elastase IV
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: MD
COUNTRY: US
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/199,793
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/765,192
FILING DATE: Apr-24-97
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:

```
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PP12505
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-309-8504
TELEFAX: 301-309-8439
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 807 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-199-793-1

Query Match
Best Local Similarity 66.4%; Score 16.6; DB 3; Length 807;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 ATTCCATCAGCATCTTGACA 25
DB 364 ATTGCCCTCATCAGCTTGACA 386

RESULT 6
US-08-568-031-1
Sequence 1, Application US/08568031
Patent No. 5738991
GENERAL INFORMATION:
APPLICANT: Braxton, Scott M.
APPLICANT: Diep, Dinh
APPLICANT: Deleane, Angelo M.
TITLE OF INVENTION: HOMOLOG OF RAT ELASTASE IV DERIVED FROM
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3330 Hillview Avenue
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/568,031
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Luther, Barbara J.
REGISTRATION NUMBER: 33954
REFERENCE/DOCKET NUMBER: PF-0046 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-852-0195
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 959 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
LIBRARY: HUMAN ELASTASE HOMOLOG
CLONE: 226990
US-08-568-031-1

Query Match
Best Local Similarity 66.4%; Score 16.6; DB 1; Length 959;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

```
QY 3 ATTCCATCAGCATCTTGACA 25
DB 385 ATTGCCCTCATCAGCTTGACA 407

RESULT 7
US-08-966-319-1
Sequence 1, Application US/08966319
Patent No. 5856109
GENERAL INFORMATION:
APPLICANT: Braxton, Scott M.
APPLICANT: Diep, Dinh
APPLICANT: Deleane, Angelo M.
TITLE OF INVENTION: HOMOLOG OF RAT ELASTASE IV DERIVED FROM
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHA. JACUTICALS, INC.
STREET: 3330 Hillview Avenue
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/966,319
FILING DATE: 07-NOV-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/568,031
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Luther, Barbara J.
REGISTRATION NUMBER: 33954
REFERENCE/DOCKET NUMBER: PF-0046 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-852-0195
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 959 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
LIBRARY: HUMAN ELASTASE HOMOLOG
CLONE: 226990
US-08-966-319-1

Query Match
Best Local Similarity 66.4%; Score 16.6; DB 2; Length 959;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 ATTCCATCAGCATCTTGACA 25
DB 385 ATTGCCCTCATCAGCTTGACA 407

RESULT 8
US-09-153-304-1
Sequence 1, Application US/09153304
Patent No. 6030791
GENERAL INFORMATION:
APPLICANT: Braxton, Scott M.
APPLICANT: Diep, Dinh
APPLICANT: Deleane, Angelo M.
TITLE OF INVENTION: HOMOLOG OF RAT ELASTASE IV DERIVED FROM
```

;; TITLE OF INVENTION: HUMAN PANCREAS
;; NUMBER OF SEQUENCES: 2
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
;; STREET: 3330 Hillview Avenue
;; City: Palo Alto
;; STATE: CA
;; COUNTRY: USA
;; ZIP: 94304
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: floppy disk
;; OPERATING SYSTEM: IBM PC compatible
;; SOFTWARE: Patent In Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/153,304
;; FILING DATE:
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/568,031
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Luther, Barbara J.
;; REGISTRATION NUMBER: 33954
;; REFERENCE/DOCKET NUMBER: PF-0046 US
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 415-855-0555
;; TELEFAX: 415-852-0195
;; INFORMATION FOR SEQ ID NO: 1:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 959 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; IMMEDIATE SOURCE:
;; LIBRARY: HUMAN ELASTASE HOMOLOG
;; CLONE: 226990
;; US-09-153-304-1

Query Match 66.4%; Score 16.6; DB 3; Length 959;
Best Local Similarity 82.6%; Pred. No. 50;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 ATTCGCATCAGCAATCTTGACA 25
DB 385 ATTCGCCTCATCAAGCTTGACA 407

RESULT 9
US-07-882-925A-4/c
;; Sequence 4, Application US/07882925A
;; Patent No. 5315000
;; GENERAL INFORMATION:
;; APPLICANT: Degen, Sandra J. F.
;; TITLE OF INVENTION: Gene for a growth factor and its cDNA and
;; TITLE OF INVENTION: Protein
;; NUMBER OF SEQUENCES: 7
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Gregory Lunn
;; STREET: Wood, Herion & Evans, 2700 Carew Tower
;; City: Cincinnati
;; STATE: Ohio
;; COUNTRY: USA
;; ZIP: 45202
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb
;; OPERATING SYSTEM: Apple Macintosh
;; SOFTWARE: Microsoft Word 4.0
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/07/882,925A
;; FILING DATE: 19920514

;; CLASSIFICATION: 530
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Lunn, Gregory
;; REGISTRATION NUMBER: 29,945
;; REFERENCE/DOCKET NUMBER: CMC 57
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (513) 241-2324
;; TELEFAX: (513) 421-7269
;; INFORMATION FOR SEQ ID NO: 4:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 2188 base pairs
;; TYPE: NUCLEIC ACID
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA to mRNA
;; ANTI-SENSE: no
;; ORIGINAL SOURCE:
;; ORGANISM: mouse
;; STRAIN: C57BL/6
;; DEVELOPMENTAL STAGE: adult
;; TISSUE TYPE: liver
;; IMMEDIATE SOURCE:
;; LIBRARY: cDNA
;; CLONE: ML5-2
;; POSITION IN GENOME:
;; CHROMOSOME/SEGMENT: mouse 9, Hgf1 locus
;; MAP POSITION: Trf-Gnrl-2-Hgf1-Cck
;; FEATURE:
;; IDENTIFICATION METHOD: experimental
;; PUBLICATION INFORMATION:
;; RELEVANT RESIDUES IN SEQ ID NO: 4: 1 TO 2188
;; US-07-882-925A-4

Query Match 66.4%; Score 16.6; DB 1; Length 2188;
Best Local Similarity 82.6%; Pred. No. 59;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 ATTCGCATCAGCAATCTTGACA 25
DB 1258 ATCCCATCAGGATTCCTGCACA 1236

RESULT 10
US-08-184-012C-4/c
;; Sequence 4, Application US/08184012C
;; Patent No. 5606029
;; GENERAL INFORMATION:
;; APPLICANT: Degen, Sandra J. F.
;; TITLE OF INVENTION: Gene for a growth factor and its cDNA and
;; TITLE OF INVENTION: Protein
;; NUMBER OF SEQUENCES: 10
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Gregory Lunn
;; STREET: Wood, Herion & Evans, 2700 Carew Tower
;; City: Cincinnati
;; STATE: Ohio
;; COUNTRY: USA
;; ZIP: 45202
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb
;; OPERATING SYSTEM: Apple Macintosh
;; SOFTWARE: Microsoft Word 5.1
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/184,012C
;; FILING DATE: 1/18/94
;; CLASSIFICATION: 536
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Lunn, Gregory
;; REGISTRATION NUMBER: 29,945
;; REFERENCE/DOCKET NUMBER: CMC 57
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (513) 241-2324

```
TELEFAX: (513) 421-7269
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 2188 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
ANTI-SENSE: no
ORIGINAL SOURCE:
ORGANISM: mouse
STRAIN: C57BL/6
DEVELOPMENTAL STAGE: adult
TISSUE TYPE: liver
IMMEDIATE SOURCE:
LIBRARY: cDNA
CLONE: M15-2
POSITION IN GENOME:
CHROMOSOME/SEGMENT: mouse 9, HgfL locus
MAP POSITION: 11f-gnal-2-hgf1-cck
FEATURE:
IDENTIFICATION METHOD: experimental
PUBLICATION INFORMATION:
RELEVANT RESIDUES IN SEQ ID NO: 4: 1 TO 2188
US-08-184-012C-4

Query Match      66.4%; Score 16.6; DB 1; Length 2188;
Best local Similarity 82.6%; Pred. No. 59;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Caps 0;

QY      3 ATCCCATGAGCATCTTGACA 25
Db      1258 ATCCCATGAGCATCTTGACA 1236

RESULT 11
US-08-724-394A-18/C
Sequence 18, Application US/08724394A
Patent No. 5872237
GENERAL INFORMATION:
APPLICANT: Feder, John N.
APPLICANT: Kronmal, Gregory S.
APPLICANT: Launer, Peter M.
APPLICANT: Ruddy, David A.
APPLICANT: Thomas, Winston
APPLICANT: Tsuchihashi, Zenta
APPLICANT: Wolff, Roger K.
TITLE OF INVENTION: Megabase Transcript Map: No. 5872237e1
TITLE OF INVENTION: Sequences and Antibodies Thereof
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
City: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYS. EM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/724,394A
FILING DATE: 01-OCT-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Filts, Renee A.
REGISTRATION NUMBER: 35,136
REFERENCE/DOCKET NUMBER: 017957-000100
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
```

```
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 2266 base pairs
TYPE: nucleic acid
STRANDEDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..2266
OTHER INFORMATION: /note= "cDNA 22B"
US-08-724-394A-18

Query Match      66.4%; Score 16.6; DB 2; Length 2266;
Best local Similarity 82.6%; Pred. No. 60;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Caps 0;

QY      3 ATCCCATGAGCATCTTGACA 25
Db      1505 ATCCCATGAGCAACTTGCATA 1483

RESULT 12
US-09-221-017B-923
Sequence 923, Application US/09221017B
Patent No. 6444799
GENERAL INFORMATION:
APPLICANT: Ross, Bruce G.
TITLE OF INVENTION: P. GINGIVALIS NUCLEOTIDES AND USES THEREOF
NUMBER OF SEQUENCES: 1120
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & MORRISON
STREET: 755 PAGE MILL ROAD
City: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FASTSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/221,017B
FILING DATE: 23-DEC-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: P01182
FILING DATE: 31-DEC-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: P01546
FILING DATE: 30-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: P02911
FILING DATE: 09-APR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: P07/AU98/01023
FILING DATE: 10-DEC-1998
ATTORNEY/AGENT INFORMATION:
NAME: Monroy, Gladys H.
REGISTRATION NUMBER: 32,410
REFERENCE/DOCKET NUMBER: 27340-20021.00
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-813-5600
TELEFAX: 650-494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 923:
SEQUENCE CHARACTERISTICS:
LENGTH: 3805 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
```

```

;
; HYPOTHETICAL: NO
; ANTI-SENSE: UNKNOWN
; ORIGINAL SOURCE:
; ORGANISM: PORPHYROMONAS GINGIVALIS
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1...3805
; US-09-221-017B-923

Query Match      66.4%; Score 16.6; DB 4; Length 3805;
Best Local Similarity 82.6%; Pred. No. 66;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

OY 2 ATTCCTCAGCAATCTTGCAG 24
    ||||| || |||||
Db 169 ATTCCGCTTCAATCTTGCAG 191

RESULT 13
US-07-882-925A-5/c
; Sequence 5, Application US/07882925A
; Patent No. 5315000
; GENERAL INFORMATION:
; APPLICANT: Degen, Sandra J. F.
; TITLE OF INVENTION: Gene for a growth factor and its cDNA and
; TITLE OF INVENTION: protein
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Gregory Lunn
; STREET: Wood, Herron & Evans, 2700 Carew Tower
; CITY: Cincinnati
; STATE: Ohio
; COUNTRY: USA
; ZIP: 45202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 KB
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.3
; SOFTWARE: Microsoft Word 4.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/882,925A
; FILING DATE: 19920514
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Lunn, Gregory
; REGISTRATION NUMBER: 29,945
; REFERENCE/DOCKET NUMBER: CMC 57
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (513) 241-2324
; TELEFAX: (513) 421-7269
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6751 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: genomic DNA
; ANTI-SENSE: no
; ORIGINAL SOURCE:
; ORGANISM: mouse
; STRAIN: Balb/c
; DEVELOPMENTAL STAGE: adult
; TISSUE TYPE: liver
; IMMEDIATE SOURCE:
; LIBRARY: genomic
; CLONE: MGL5-12
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: mouse 9, Hgf1 locus
; MAP POSITION: Trf-Gna1-2-Hgf1-Cck
; FEATURE:
; IDENTIFICATION METHOD: experimental
; PUBLICATION INFORMATION:
; RELEVANT RESIDUES IN SEQ ID NO: 5: 1 TO 6751
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US-07-882-925A-5

Query Match      66.4%; Score 16.6; DB 1; Length 6751;
Best Local Similarity 82.6%; Pred. No. 74;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

OY 3 ATTCCTCAGCAATCTTGCAGA 25
    ||||| || |||||
Db 4124 ATCCCATCAGGATCTCTGCAGA 4102

RESULT 14
US-08-184-012C-5/c
; Sequence 5, Application US/08184012C
; Patent No. 5606029
; GENERAL INFORMATION:
; APPLICANT: Degen, Sandra J. F.
; TITLE OF INVENTION: Gene for a growth factor and its cDNA and
; TITLE OF INVENTION: protein
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Gregory Lunn
; STREET: Wood, Herron & Evans, 2700 Carew Tower
; CITY: Cincinnati
; STATE: Ohio
; COUNTRY: USA
; ZIP: 45202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 800 KB
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 7.5.2
; SOFTWARE: Microsoft Word 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/184,012C
; FILING DATE: 1/18/94
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Lunn, Gregory
; REGISTRATION NUMBER: 29,945
; REFERENCE/DOCKET NUMBER: CMC 57
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (513) 241-2324
; TELEFAX: (513) 421-7269
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6751 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: genomic DNA
; ANTI-SENSE: no
; ORIGINAL SOURCE:
; ORGANISM: mouse
; STRAIN: Balb/c
; DEVELOPMENTAL STAGE: adult
; TISSUE TYPE: liver
; IMMEDIATE SOURCE:
; LIBRARY: genomic
; CLONE: MGL5-12
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: mouse 9, Hgf1 locus
; MAP POSITION: Trf-Gna1-2-Hgf1-Cck
; FEATURE:
; IDENTIFICATION METHOD: experimental
; PUBLICATION INFORMATION:
; RELEVANT RESIDUES IN SEQ ID NO: 5: 1 TO 6751
; US-08-184-012C-5

Query Match      66.4%; Score 16.6; DB 1; Length 6751;
Best Local Similarity 82.6%; Pred. No. 74;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

OY 3 ATTCCTCAGCAATCTTGCAGA 25
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Db 4124 ATCCCATCAGCATCTCTGCAGA 4102

RESULT 15

US-08-961-527-23

; Sequence 23, Application US/08961527

; Patent No. 6420135

; GENERAL INFORMATION:

; APPLICANT: Charles Kunach

; TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences

; NUMBER OF SEQUENCES: 391

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Human Genome Sciences, Inc.

; STREET: 9410 Key West Avenue

; CITY: Rockville

; STATE: Maryland

; COUNTRY: USA

; ZIP: 20850

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

; OPERATING SYSTEM: MSDOS version 6.2

; SOFTWARE: ASCII Text

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/961,527

; FILING DATE:

; CLASSIFICATION: 424

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Brookes, A. Anders

; REGISTRATION NUMBER: 36,373

; REFERENCE/DOCKET NUMBER: PB340P1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (301) 309-8504

; TELEFAX: (301) 309-8512

; INFORMATION FOR SEQ ID NO: 23:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 7147 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; US-08-961-527-23

Query Match 66.4%; Score 16.6; DB 4; Length 7147;

Best Local Similarity 82.6%; Pred. No. 75;

Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 ATCCCATCAGCATCTTGCAGA 25
||||| ||| ||| |||
Db 1846 ATCCCATCATCATCTTGCAGA 1868

Search completed: February 17, 2003, 22:35:02
Job time : 1244.41 secs

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 21:30:48 : Search time 133.624 Seconds
(without alignments)
95.291 Million cell updates/sec

Title: US-09-362-485-14

Perfect score: 25

Sequence: 1 GAATTCCTATCAGCAATCTTCGACA 25

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 424239 seqs, 25461826 residues

Total number of hits satisfying chosen parameters: 848478

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published_Applications_NA:*
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2: /cgn2_6/ptodata/2/pubpna/PCT_NEM_PUB.seq:*
3: /cgn2_6/ptodata/2/pubpna/US06_NEM_PUB.seq:*
4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
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6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:*
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8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
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11: /cgn2_6/ptodata/2/pubpna/US10_NEM_PUB.seq:*
12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
13: /cgn2_6/ptodata/2/pubpna/US60_NEM_PUB.seq:*
14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	18.6	74.4	430	10	US-09-983-965-4259
2	17.2	68.8	465237	10	US-09-933-267A-1
3	17	68.0	151	10	US-09-867-701-554
4	17	68.0	274	10	US-09-960-352-14695
5	17	68.0	308	10	US-09-960-352-714
6	17	68.0	337	10	US-09-960-352-7832
7	17	68.0	364	10	US-09-960-352-4974
8	17	68.0	455	10	US-09-770-444-571
9	17	68.0	505	10	US-09-998-598-50
10	17	68.0	532	10	US-09-864-761-11993
11	17	68.0	601	10	US-09-777-921A-60
12	17	68.0	1488	9	US-09-938-842A-704
13	17	68.0	1754	10	US-09-998-598-359
14	17	68.0	1881	9	US-09-792-630-30
15	17	68.0	1881	9	US-10-080-376-30
16	17	68.0	1884	9	US-09-792-630-26
17	17	68.0	1884	9	US-10-080-376-26
18	17	68.0	11307	10	US-09-070-927A-49
19	17	68.0	69327	10	US-09-777-921A-3

20	17	68.0	1503841	9	US-09-946-807-1	Sequence 1, Appl
21	17	68.0	1503841	10	US-09-795-668-1	Sequence 1, Appl
22	17	68.0	1503841	10	US-09-795-668-1	Sequence 1, Appl
23	16.6	66.4	78	10	US-09-864-761-29850	Sequence 29850, A
24	16.6	66.4	171	9	US-09-796-692-4065	Sequence 4065, Ap
25	16.6	66.4	233	10	US-09-783-590-3957	Sequence 3957, Ap
26	16.6	66.4	271	10	US-09-783-590-9529	Sequence 9529, Ap
27	16.6	66.4	417	10	US-09-878-574-3359	Sequence 3259, Ap
28	16.6	66.4	501	10	US-09-864-761-13286	Sequence 13286, A
29	16.6	66.4	594	10	US-09-923-779-32	Sequence 32, Appl
30	16.6	66.4	686	10	US-09-764-869-2185	Sequence 2185, Ap
31	16.6	66.4	686	10	US-09-764-869-2186	Sequence 2186, Ap
32	16.6	66.4	752	12	US-10-001-843-72	Sequence 72, Appl
33	16.6	66.4	989	12	US-10-001-843-73	Sequence 73, Appl
34	16.6	66.4	1448	10	US-09-925-301-339	Sequence 339, Appl
35	16.6	66.4	2002	10	US-09-887-576-269	Sequence 269, Appl
36	16.6	66.4	2112	9	US-09-906-209-1	Sequence 1, Appl
37	16.6	66.4	2281	10	US-09-880-107-3453	Sequence 3453, Ap
38	16.6	66.4	43360	9	US-10-114-170-206	Sequence 206, Appl
39	16.6	66.4	45325	9	US-10-114-170-261	Sequence 261, Appl
40	16.6	66.4	174424	10	US-09-967-768A-314	Sequence 314, Appl
41	16.4	65.6	7002	10	US-09-954-456-1247	Sequence 1247, Ap
42	16.2	64.8	340	10	US-09-783-590-2928	Sequence 2928, Ap
43	16.2	64.8	406	10	US-09-867-701-7222	Sequence 7222, Ap
44	16.2	64.8	602	10	US-09-764-877-3671	Sequence 3671, Ap
45	16.2	64.8	5005	10	US-09-764-847-1383	Sequence 1383, Ap

ALIGNMENTS

```
RESULT 1
US-09-983-965-4259
: Sequence 4259, Application US/09983965
: Patent No. US20020137160A1
: GENERAL INFORMATION:
: APPLICANT: Warren, Wesley C.
: APPLICANT: Tao, Mengbing
: APPLICANT: Byatt, John C.
: APPLICANT: Mathalaagan, Nayappan
: TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
: FILE REFERENCE: 37-21(10297)C
: CURRENT APPLICATION NUMBER: US/09/983, 965
: CURRENT FILING DATE: 2001-10-26
: PRIOR APPLICATION NUMBER: US 09/465,231
: PRIOR FILING DATE: 1999-12-15
: PRIOR APPLICATION NUMBER: US 60/113,678
: PRIOR FILING DATE: 1998-12-17
: NUMBER OF SEQ ID NOS: 5912
: SEQ ID NO 4259
: LENGTH: 430
: TYPE: DNA
: ORGANISM: Bos taurus
: FEATURE:
: OTHER INFORMATION: Clone ID: 62-LIB3058-006-Q1-K1-H6
US-09-983-965-4259
Query Match 74.4%: Score 18.6; DB 10; Length 430;
Best Local Similarity 84.0%: Pred. No. 17;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
OY 1 GAATTCCTATCAGCAATCTTCGACA 25
I I I I I I I I I I I I I I I I
Db 211 GGATTCCTATCAGCAATCTTCGACA 235
RESULT 2
US-09-933-267A-1
: Sequence 1, Application US/09933267A
: Patent No. US20020123095A1
: GENERAL INFORMATION:
: APPLICANT: Kalush, Francis et al.
```

```
; TITLE OF INVENTION: Estrogen receptor alpha variants and
; FILE REFERENCE: CU00258C14
; CURRENT APPLICATION NUMBER: US/09/933,267A
; CURRENT FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: 60/160626
; PRIOR FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: 60/183756
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: 09/692414
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 09/768184
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 09/804076
; PRIOR FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: 09/826314
; PRIOR FILING DATE: 2001-04-05
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 465237
; TYPE: DNA
; ORGANISM: human
US-09-933-267A-1
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Query Match          68.8%; Score 17.2; DB 10; Length 465237;
Best Local Similarity 86.4%; Pred. No. 2e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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OY      3  ATTCCCATCAGCATCTTGACG  24
Db      5582  ATTCCCATCAGCATGTAGAAG  5603
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RESULT 3
US-09-867-701-554/C
; Sequence 554, Application US/09867701
; Patent No. US20020132237A1
; GENERAL INFORMATION:
; APPLICANT: Agiate, Paul A.
; APPLICANT: Jones, Robert
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.497
; CURRENT APPLICATION NUMBER: US/09/867,701
; CURRENT FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 10912
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 554
; LENGTH: 151
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(151)
; OTHER INFORMATION: n = A,T,C or G
US-09-867-701-554
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Query Match          68.0%; Score 17; DB 10; Length 151;
Best Local Similarity 80.0%; Pred. No. 77;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
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OY      1  GAATTCATCAGCATCTTGACG  25
Db      52  GATTCATCAGCAAACTCTGCAG  28
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RESULT 4
US-09-960-352-14695/C
; Sequence 14695, Application US/09960352
; Patent No. US20020137139A1
; GENERAL INFORMATION:
```

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; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengbing
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; TITLE OF INVENTION: MUSCLE AND FAT DEPOSITION
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT APPLICATION NUMBER: US/09/960,352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 14695
; LENGTH: 274
; TYPE: DNA
; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 63-LIB188-025-Q1-E1-H12
US-09-960-352-14695
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Query Match          68.0%; Score 17; DB 10; Length 274;
Best Local Similarity 80.0%; Pred. No. 84;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
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OY      1  GAATTCATCAGCATCTTGACG  25
Db      71  GCATTCATCTCTGCATTTTGACG  47
```

```
RESULT 5
US-09-960-352-714
; Sequence 714, Application US/09960352
; Patent No. US20020137139A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengbing
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; TITLE OF INVENTION: MUSCLE AND FAT DEPOSITION
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT APPLICATION NUMBER: US/09/960,352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 714
; LENGTH: 308
; TYPE: DNA
; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 04-LIB188-006-Q1-E1-A7
US-09-960-352-714
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Query Match          68.0%; Score 17; DB 10; Length 308;
Best Local Similarity 80.0%; Pred. No. 86;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
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OY      1  GAATTCATCAGCATCTTGACG  25
Db      205  GCATTCATCTCTGCATTTTGACG  229
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RESULT 6
US-09-960-352-7832
; Sequence 7832, Application US/09960352
; Patent No. US20020137139A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengbing
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; TITLE OF INVENTION: MUSCLE AND FAT DEPOSITION
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT APPLICATION NUMBER: US/09/960,352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 7832
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LENGTH: 337
TYPE: DNA
ORGANISM: Bos taurus
OTHER INFORMATION: Clone ID: 34-LIB188-006-Q1-E1-A6
US-09-960-352-7832
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Query Match          68.0%: Score 17; DB 10; Length 337;
Best Local Similarity 80.0%: Pred. No. 87;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
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QY 1 GAATTCCTAGCAGCAATCTTGACA 25
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DB 234 GCATTCATCTCGCAATTTGCAGA 258
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RESULT 7

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US-09-960-352-4974
Sequence 4974, Application US/09960352
Patent No. US20020137139A1
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GENERAL INFORMATION:

APPLICANT: Warren, Wesley C.

APPLICANT: Tao, Nengding

APPLICANT: Byatt, John C.

APPLICANT: Mathalagan, Nagappan

TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND

FILE REFERENCE: 16511.006/37-21(10298)C

CURRENT APPLICATION NUMBER: US/09/960.352

CURRENT FILING DATE: 2001-09-24

NUMBER OF SEQ ID NOS: 15112

SEQ ID NO 4974

LENGTH: 364

TYPE: DNA

ORGANISM: Bos taurus

OTHER INFORMATION: Clone ID: 22-LIB188-008-Q1-E1-F9

US-09-960-352-4974

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Query Match          68.0%: Score 17; DB 10; Length 364;
Best Local Similarity 80.0%: Pred. No. 88;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
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QY 1 GAATTCCTAGCAGCAATCTTGACA 25
    ||||| ||||| |||||
DB 204 GCATTCATCTCGCAATTTGCAGA 228
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RESULT 8

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US-09-770-444-571
Sequence 571, Application US/09770444
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Patent No. US20020023280A1

GENERAL INFORMATION:

APPLICANT: Goriach, Jörn

APPLICANT: An, Yong-Qiang

APPLICANT: Hamilton, Carol M.

APPLICANT: Price, Jennifer L.

APPLICANT: Raines, Tracy M.

APPLICANT: Yu, Yang

APPLICANT: Rameaka, Joshua G.

APPLICANT: Page, Amy

APPLICANT: Matthew, Abraham V.

APPLICANT: Ledford, Brooke L.

APPLICANT: Woessner, Jeffrey P.

APPLICANT: Haas, William David

APPLICANT: Garcia, Carlos A.

APPLICANT: Krieger, Meja

APPLICANT: Slader, Ted

APPLICANT: Davis, Keith R.

APPLICANT: Allen, Keith

APPLICANT: Hoffman, Neil

APPLICANT: Hurlan, Patrick

TITLE OF INVENTION: Expressed Sequences of Arabidopsis

TITLE OF INVENTION: thaliana

FILE REFERENCE: 2027 (PARA-016PRV)

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CURRENT APPLICATION NUMBER: US/09/770.444
CURRENT FILING DATE: 2001-01-26
PRIOR APPLICATION NUMBER: 60/178,502
PRIOR FILING DATE: 2000-01-27
NUMBER OF SEQ ID NOS: 999
SOFTWARE: fastseq for Windows Version 4.0
SEQ ID NO 571
LENGTH: 455
TYPE: DNA
ORGANISM: Arabidopsis thaliana
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Query Match          68.0%: Score 17; DB 10; Length 455;
Best Local Similarity 80.0%: Pred. No. 91;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
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```
QY 1 GAATTCCTAGCAGCAATCTTGACA 25
    ||||| ||||| |||||
DB 227 GAATTCCTAGCAGCACTTACACA 251
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RESULT 9

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US-09-998-598-50
Sequence 50, Application US/0998598
Patent No. US20020150922A1
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GENERAL INFORMATION:

APPLICANT: Stoik, John A.

APPLICANT: Xu, Jiangchun

APPLICANT: Chenault, Ruth A.

APPLICANT: Meagher, Madelein Joy

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

FILE REFERENCE: 210121.561

CURRENT APPLICATION NUMBER: US/09/998.598

CURRENT FILING DATE: 2001-11-16

NUMBER OF SEQ ID NOS: 2606

SOFTWARE: Corixa Invention Disclosure Database

SEQ ID NO 50

LENGTH: 505

TYPE: DNA

ORGANISM: Homo sapiens

US-09-998-598-50

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Query Match          68.0%: Score 17; DB 10; Length 505;
Best Local Similarity 80.0%: Pred. No. 92;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
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QY 1 GAATTCCTAGCAGCAATCTTGACA 25
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DB 435 GATTCCTAGCAGCAATCTTGACA 459
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RESULT 10

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US-09-864-761-11993
Sequence 11993, Application US/09864761
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Patent No. US20020048763A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharon G.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David K.

APPLICANT: Chen, Wensheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO

FILE REFERENCE: Aeoimica-X-1

CURRENT APPLICATION NUMBER: US/09/864.761

CURRENT FILING DATE: 2001-05-23

PRIOR APPLICATION NUMBER: US 60/180,312

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: US 60/207,456

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; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
; SEQ ID NO 11993
; LENGTH: 532
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL157997.2
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.75
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.94
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.89
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.2
; US-09-864-761-11993

Query Match          68.0%  Score 17; DB 10; Length 532:
Best Local Similarity 80.0%  Pred. No. 93:
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0:

QY      1 GAATTCATCAGCAATCTTGACA 25
      111111111111111111111111
Db      371 GCATTCCTTAGCAATCTTGACA 395

RESULT 11
US-09-777-921A-60
; Sequence 60, Application US/09777921A
; Patent No. US20020115136A1
; GENERAL INFORMATION:
; APPLICANT: MERKULOV et al.
; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
; FILE REFERENCE: CL001103
; CURRENT APPLICATION NUMBER: US/09/777,921A
; NUMBER OF SEQ ID NOS: 126
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 60
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; LENGTH: 601
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-777-921A-60

Query Match          68.0%  Score 17; DB 10; Length 601:
Best Local Similarity 80.0%  Pred. No. 95:
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0:

QY      1 GAATTCATCAGCAATCTTGACA 25
      111111111111111111111111
Db      349 GATTCATCAGCAATCTTGACA 373

RESULT 12
US-09-938-842A-704
; Sequence 704, Application US/09938842A
; Patent No. US20020160378A1
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Kreps, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; FILE REFERENCE: SCDIP1300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 704
; LENGTH: 1488
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; US-09-938-842A-704

Query Match          68.0%  Score 17; DB 9; Length 1488:
Best Local Similarity 80.0%  Pred. No. 11e+02:
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0:

QY      1 GAATTCATCAGCAATCTTGACA 25
      111111111111111111111111
Db      1159 GAATTCATCAGCAATCTTGACA 1183

RESULT 13
US-09-998-598-359
; Sequence 359, Application US/09998598
; Patent No. US20020150922A1
; GENERAL INFORMATION:
; APPLICANT: SLOK, John A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Chenuault, Ruth A.
; APPLICANT: Meagher, Madeline Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.561
; CURRENT APPLICATION NUMBER: US/09/998,598
; PRIOR FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 2606
; SOFTWARE: Corixa Invention Disclosure Database
; SEQ ID NO 359
; LENGTH: 1754
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-998-598-359

Query Match          68.0%  Score 17; DB 10; Length 1754:
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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 16:07:27 : Search time 26.216 Seconds
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210.565 Million cell updates/sec

Title: US-09-362-485-15

Sequence: 1 GCCCGATGACGCAAGTC 18

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Issued_Patents_NA: *
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4: /cgn2_6/ptodata/2/lna/6B_COMB.seq:*
5: /cgn2_6/ptodata/2/lna/pctus_COMB.seq:*
6: /cgn2_6/ptodata/2/lna/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	18	100.0	4403765	4 US-09-103-840A-2	Sequence 2, Appl1
2	14.8	82.2	7011	1 US-08-306-691B-42	Sequence 42, Appl1
3	14.4	80.0	1680	4 US-09-134-001C-884	Sequence 884, Appl1
4	14.4	80.0	4348	2 US-08-915-868-1	Sequence 1, Appl1
5	14.4	80.0	4403765	4 US-09-103-840A-2	Sequence 2, Appl1
6	14	77.8	2014	1 US-07-798-776-1	Sequence 1, Appl1
7	14	77.8	2014	3 US-08-251-288A-1	Sequence 1, Appl1
8	14	77.8	2014	3 US-09-298-819A-1	Sequence 1, Appl1
9	14	77.8	2014	4 US-09-586-563C-1	Sequence 1, Appl1
10	14	77.8	2014	4 US-09-586-562C-1	Sequence 1, Appl1
11	14	77.8	4934	4 US-09-221-017B-965	Sequence 965, Appl1
12	13.8	76.7	1251	2 US-08-851-088-5	Sequence 5, Appl1
13	13.8	76.7	2234	4 US-09-221-017B-957	Sequence 957, Appl1
14	13.8	76.7	5535	1 US-08-089-755A-1	Sequence 1, Appl1
15	13.8	76.7	5535	1 US-08-089-755A-4	Sequence 4, Appl1
16	13.8	76.7	5535	1 US-08-421-754-1	Sequence 1, Appl1
17	13.8	76.7	5535	1 US-08-421-754-4	Sequence 4, Appl1
18	13.8	76.7	5535	2 US-08-421-791-1	Sequence 1, Appl1
19	13.8	76.7	5535	2 US-08-421-791-4	Sequence 4, Appl1
20	13.8	76.7	5596	4 US-08-965-762-1	Sequence 1, Appl1
21	13.8	76.7	5596	4 US-09-911-927-1	Sequence 1, Appl1
22	13.8	76.7	5596	4 US-09-911-927-3	Sequence 3, Appl1
23	13.8	76.7	5596	4 US-09-911-882-3	Sequence 1, Appl1
24	13.8	76.7	5596	4 US-09-911-882-3	Sequence 3, Appl1
25	13.8	76.7	40352	3 US-08-446-111D-15	Sequence 15, Appl1
26	13.8	76.7	40352	4 US-09-443-077-15	Sequence 15, Appl1
27	13.8	76.7	4411529	4 US-09-103-840A-1	Sequence 1, Appl1

28	13.4	74.4	1303	3 US-08-894-440-2	Sequence 2, Appl1
29	13.4	74.4	1303	4 US-09-458-093-2	Sequence 2, Appl1
30	13.4	74.4	3200	1 US-08-453-104-23	Sequence 23, Appl1
31	13.4	74.4	3200	2 US-08-694-824-23	Sequence 23, Appl1
32	13.4	74.4	3201	1 US-08-453-104-22	Sequence 22, Appl1
33	13.4	74.4	3201	2 US-08-694-824-22	Sequence 22, Appl1
34	13.4	74.4	4946	3 US-08-817-188-1	Sequence 1, Appl1
35	13.4	74.4	5349	4 US-09-068-101-7	Sequence 7, Appl1
36	13.4	74.4	5560	3 US-08-817-188-5	Sequence 5, Appl1
37	13.4	74.4	5864	3 US-08-894-440-4	Sequence 4, Appl1
38	13.4	74.4	5864	3 US-08-894-440-4	Sequence 4, Appl1
39	13.4	74.4	5864	4 US-09-458-093-4	Sequence 4, Appl1
40	13.4	74.4	5864	4 US-09-458-093-4	Sequence 4, Appl1
41	13.4	74.4	6548	3 US-08-894-440-1	Sequence 1, Appl1
42	13.4	74.4	6548	3 US-08-817-188-2	Sequence 2, Appl1
43	13.4	74.4	6548	4 US-09-458-093-1	Sequence 1, Appl1
44	13.4	74.4	7566	2 US-08-232-016-23	Sequence 23, Appl1
45	13.4	74.4	7639	2 US-08-232-016-22	Sequence 22, Appl1

ALIGNMENTS

```
RESULT 1
US-09-103-840A-2
: Sequence 2, Application US/09103840A
: Patent No. 6294328
: GENERAL INFORMATION:
: APPLICANT: FLEISCHMAN, Robert D.
: APPLICANT: WHITE, Owen R.
: APPLICANT: FRASER, Claire M.
: APPLICANT: VENER, John C.
: TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
: TITLE OF INVENTION: TUBERCULOSIS
: FILE REFERENCE: 24366-20007.00
: CURRENT APPLICATION NUMBER: US/09/103,840A
: CURRENT FILING DATE: 1998-06-24
: NUMBER OF SEQ ID NOS: 2
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 2
: LENGTH: 4403765
: TYPE: DNA
: ORGANISM: Mycobacterium tuberculosis
: FEATURE:
: OTHER INFORMATION: CDC 1551
: OTHER INFORMATION: "n" bases at various positions throughout the sequence
US-09-103-840A-2

Query Match      100.0%; Score 18; DB 4; Length 4403765;
Best Local Similarity 100.0%; Pred. No. 1.2;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GCCCGATGACGCAAGTC 18
Db 3081890 GCCCGATGACGCAAGTC 3081907

RESULT 2
US-08-306-691B-42/c
: Sequence 42, Application US/08306691B
: Patent No. 5734039
: GENERAL INFORMATION:
: APPLICANT: Calabretta, Bruno
: APPLICANT: Skorski, Tomasz
: TITLE OF INVENTION: ANTISENSE
: TITLE OF INVENTION: OLIGONUCLEOTIDES TARGETING COOPERATING ONCOGENES
: NUMBER OF SEQUENCES: 55
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Seidel, Gonda, Lavorgna & Monaco, P.C.
: STREET: Two Penn Center, Suite 1800
: CITY: Philadelphia
: STATE: Pennsylvania
```

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; COUNTRY: U.S.A.
; ZIP: 19102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 Inch, 720 KB
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/306,691B
; FILING DATE: September 15, 1994
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Monaco, Daniel A.
; REGISTRATION NUMBER: 30,480
; REFERENCE/DOCKET NUMBER: 8321-B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-8383
; TELEFAX: (215) 568-5549
; TELETYPE: No. 5734039e
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7011 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-08-306-691B-42
;
Query Match 82.2%; Score 14.8; DB 1; Length 7011;
Best Local Similarity 88.9%; Pred. No. 36;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Oy 1 GCCCGCATGACCGAAGTC 18
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Db 2735 GCCCAGATCAGCGAAGTC 2718

RESULT 3
US-09-134-001C-884
; Sequence 884, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 884
; LENGTH: 1680
; TYPE: DNA
; ORGANISM: Staphylococcus epidermidis
;
US-09-134-001C-884
;
Query Match 80.0%; Score 14.4; DB 4; Length 1680;
Best Local Similarity 93.8%; Pred. No. 51;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 2 CCCCGATGACCGAAGT 17
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Db 165 CCCTGATGACCGAAGT 180

RESULT 4
US-08-915-868-1
; Sequence 1, Application US/08915868
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```

; Patent No. 5914233
; GENERAL INFORMATION:
; APPLICANT: Mundy, Gregory R.
; APPLICANT: Gallowitz, Wolf
; TITLE OF INVENTION: SCREENING ASSAY FOR THE IDENTIFICATION
; TITLE OF INVENTION: OF AGENTS WHICH INHIBIT CANCER
; TITLE OF INVENTION: METASTASIS TO BONE
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/915,868
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/025,215
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Highlander, Steven L.
; REGISTRATION NUMBER: 37,642
; REFERENCE/DOCKET NUMBER: OSTs:002p21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 512/418-3000
; TELEFAX: 512/474-7577
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4348 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-08-915-868-1
;
Query Match 80.0%; Score 14.4; DB 2; Length 4348;
Best Local Similarity 93.8%; Pred. No. 56;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 1 GCCCGATGACCGAAG 16
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Db 2219 GCCCGATGACCGAAG 2214

RESULT 5
US-09-103-840A-2/C
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
```


OTHER INFORMATION: "n" bases at various positions throughout the sequence
OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match

Best Local Similarity 80.0%; Score 14.4; DB 4; Length 4403765;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 GCCCGATGACGCAAG 16
|||||
Db 3989819 GCCCGATGACGCAAG 3989804

RESULT 6

US-07-798-776-1/c
Sequence 1, Application US/07798776
Patent No. 5434074

GENERAL INFORMATION:

APPLICANT: GIBSON, D. WADE
APPLICANT: WELCH, ANTHONY R.
TITLE OF INVENTION: HERPES VIRUS PROTEINASE AND METHOD OF
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESS: Banner, Birch, McKie & Beckett
STREET: 1001 G Street, N.W., Eleventh Floor
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20001-4597

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/798,776
FILING DATE: 19911127

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: FOULKE, CYNTHIA L.
REGISTRATION NUMBER: 32,364
REFERENCE/DOCKET NUMBER: 1107,07080
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 508-9100
TELEFAX: (202) 508-9299
TELEX: 197430 BBMB UT

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:
LENGTH: 2014 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Simian cytomegalovirus
STRAIN: Colburn

FEATURE:

NAME/KEY: CDS
LOCATION: 175..2001
FEATURE:
NAME/KEY: sig_peptide
LOCATION: 175..231
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 232..2001
US-07-798-776-1

Query Match 77.8%; Score 14; DB 1; Length 2014;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GCCCGATGACGCA 14
|||||
Db 1199 GCCCGATGACGCA 1186

RESULT 7

US-08-251-288A-1/c
Sequence 1, Application US/08251288A
Patent No. 6001967

GENERAL INFORMATION:

APPLICANT: Gibson, Wade
APPLICANT: Welch, Anthony
TITLE OF INVENTION: HERPES PROTEINASE AND METHOD
NUMBER OF SEQUENCES: 49
CORRESPONDENCE ADDRESS:
ADDRESS: Banner & Wilcoff
STREET: 1001 G Street, NW
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20001

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/251,288A
FILING DATE: 31-MAY-1994
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Kagan, Sarah A
REGISTRATION NUMBER: 32141
REFERENCE/DOCKET NUMBER: 01107,46284
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-508-9100
TELEFAX: 202-508-9299
TELEX:

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:
LENGTH: 2014 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-251-288A-1

Query Match 77.8%; Score 14; DB 3; Length 2014;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GCCCGATGACGCA 14
|||||
Db 1199 GCCCGATGACGCA 1186

RESULT 8

US-09-298-819A-1/c
Sequence 1, Application US/09298819A
Patent No. 6077679

GENERAL INFORMATION:

APPLICANT: Gibson, Wade
APPLICANT: Welch, Anthony
TITLE OF INVENTION: HERPES PROTEINASE AND METHOD
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESS: Banner & Wilcoff
STREET: 1001 G Street, NW

CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20001
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/298,819A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/251,288
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Kagan, Sarah A
REGISTRATION NUMBER: 32141
REFERENCE/DOCKET NUMBER: 01107.46284
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-508-9100
TELEFAX: 202-508-9299
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2014 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-298-819A-1

Query Match 77.8%; Score 14; DB 3; Length 2014;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GCGCCGATGAGCA 14
|||||
DB 1199 GCGCCGATGAGCA 1186

RESULT 9
US-09-586-563C-1/c
Sequence 1, Application US/09586563C
Patent No. 6406902
GENERAL INFORMATION:
APPLICANT: Gibson, Wade
TITLE OF INVENTION: Herpes Proteinase and Method of Assaying
FILE REFERENCE: Gibson Herpes Proteinase Matter 00003
CURRENT APPLICATION NUMBER: US/09/586,563C
PRIOR FILING DATE: 2000-06-02
PRIOR APPLICATION NUMBER: 09/298,819
NUMBER OF SEQ ID NOS: 41
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 2014
TYPE: DNA
ORGANISM: Simian cytomegalovirus
US-09-586-563C-1

Query Match 77.8%; Score 14; DB 4; Length 2014;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GCGCCGATGAGCA 14
|||||
DB 1199 GCGCCGATGAGCA 1186

RESULT 10
US-09-586-562C-1/c

Sequence 1, Application US/09586562C
Patent No. 6410296
GENERAL INFORMATION:
APPLICANT: Gibson, Wade
TITLE OF INVENTION: Herpes Proteinase and Method of Assaying
FILE REFERENCE: Gibson Herpes Proteinase Matter 00003
CURRENT APPLICATION NUMBER: US/09/586,562C
PRIOR FILING DATE: 2000-06-02
PRIOR APPLICATION NUMBER: 09/298,819
NUMBER OF SEQ ID NOS: 41
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 2014
TYPE: DNA
ORGANISM: Simian cytomegalovirus
US-09-586-562C-1

Query Match 77.8%; Score 14; DB 4; Length 2014;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GCGCCGATGAGCA 14
|||||
DB 1199 GCGCCGATGAGCA 1186

RESULT 11
US-09-221-017B-985
Sequence 985, Application US/09221017B
Patent No. 6444799
GENERAL INFORMATION:
APPLICANT: Ross, Bruce C.
TITLE OF INVENTION: P. GINGIVALIS NUCLEOTIDES AND USES THEREOF
NUMBER OF SEQUENCES: 1120
CORRESPONDENCE ADDRESSES:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastSeq for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/221,017B
FILING DATE: 23-Dec-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: pp1182
FILING DATE: 31-Dec-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: pp1546
FILING DATE: 30-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: pp2911
FILING DATE: 09-APR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: pcr/AU98/01023
FILING DATE: 10-DEC-1998
ATTORNEY/AGENT INFORMATION:
NAME: Morroy, Gladys H
REGISTRATION NUMBER: 32,430
REFERENCE/DOCKET NUMBER: 27340-20021.00
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-813-5600
TELEFAX: 650-494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 985:

SEQUENCE CHARACTERISTICS:
LENGTH: 4934 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: UNKNOWN
ORIGINAL SOURCE:
ORGANISM: PORYPHYROMONAS GINGIVALIS
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..4934
US-09-221-017B-985

Query Match 77.8%; Score 14; DB 4; Length 4934;
Best Local Similarity 100.0%; Pred. No. 94;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 GCCCGATGAGCGA 14
Db 3805 GCCCGATGAGCGA 3818
|||||

RESULT 12
US-08-851-088-5
Sequence 5, Application US/08851088
Patent No. 5952208
GENERAL INFORMATION:
APPLICANT: Dazins, Aldis
APPLICANT: Xi, Lei
APPLICANT: Childs, John D.
APPLICANT: Monticello, Daniel J.
TITLE OF INVENTION: D52 Gene Expression In Pseudomonas Hosts
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: USA
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/851,088
FILING DATE: 05-MAY-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/835,185
FILING DATE: 07-APR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Elmore, Carolyn S.
REGISTRATION NUMBER: 37,567
REFERENCE/DOCKET NUMBER: EBC96-06A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (781) 861-6240
TELEFAX: (781) 861-9540
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1251 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1095
US-08-851-088-5

Query Match 76.7%; Score 13.8; DB 2; Length 1251;
Best Local Similarity 88.2%; Pred. No. 1e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Oy 1 GCCCGATGAGCGAGT 17
Db 301 GCCCGATGAGCGAGT 317
|||||

RESULT 13
US-09-221-017B-957
Sequence 957, Application US/09221017B
Patent No. 6444799
GENERAL INFORMATION:
APPLICANT: Ross, Bruce C.
TITLE OF INVENTION: P. GINGIVALIS NUCLEOTIDES AND USES THEREOF
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOSTER
STREET: 755 PACIFIC MILITARY ROAD
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastSeq for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/221,017B
FILING DATE: 23-DEC-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PP1182
FILING DATE: 31-DEC-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PP1546
FILING DATE: 30-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PP2911
FILING DATE: 09-APR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/AU98/01023
FILING DATE: 10-DEC-1998
ATTORNEY/AGENT INFORMATION:
NAME: Montoy, Gladys H.
REGISTRATION NUMBER: 42,440
REFERENCE/DOCKET NUMBER: 27340-20021.00
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-813-5600
TELEFAX: 650-494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 957:
SEQUENCE CHARACTERISTICS:
LENGTH: 2234 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: UNKNOWN
ORIGINAL SOURCE:
ORGANISM: PORYPHYROMONAS GINGIVALIS
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1...2234
US-09-221-017B-957

Query Match 76.7%; Score 13.8; DB 4; Length 2234;
Best Local Similarity 88.2%; Pred. No. 1.1e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 2 CCCCAGTACGAGCTC 18
1 | | | | | | | | | |
Db 1777 CCCCAGTACGAGCTC 1793

RESULT 14
US-08-089-755A-1
; Sequence 1, Application US/08089755A
; Patent No. 5356801
; GENERAL INFORMATION:
; APPLICANT: Rambosek, John
; APPLICANT: Piddington, Chris
; APPLICANT: Kovacevich, Brian R
; APPLICANT: Young, Kevin D
; APPLICANT: Denome, Sylvia A
; TITLE OF INVENTION: Recombinant DNA Encoding A
; TITLE OF INVENTION: Desulfurization Biocatalyst
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith and Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/089,755A
; FILING DATE: 09-JUL-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/911,845
; FILING DATE: 10-JUL-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook, David E
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: EBC92-03A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-861-6240
; TELEFAX: 617-861-9540
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5535 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 790..2151
; NAME/KEY: CDS
; LOCATION: 3256..4506
US-08-089-755A-1

Query Match 76.7%; Score 13.8; DB 1; Length 5535;
Best Local Similarity 88.2%; Pred. No. 1.2e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GCCCGATGACGAGCT 17
| | | | | | | | | |
Db 3556 GCCCGATGATGAGCT 3572

RESULT 15
US-08-089-755A-4
; Sequence 4, Application US/08089755A
; Patent No. 5356801

; GENERAL INFORMATION:
; APPLICANT: Rambosek, John
; APPLICANT: Piddington, Chris
; APPLICANT: Kovacevich, Brian R
; APPLICANT: Young, Kevin D
; APPLICANT: Denome, Sylvia A
; TITLE OF INVENTION: Recombinant DNA Encoding A
; TITLE OF INVENTION: Desulfurization Biocatalyst
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith and Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/089,755A
; FILING DATE: 09-JUL-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/911,845
; FILING DATE: 10-JUL-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook, David E
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: EBC92-03A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-861-6240
; TELEFAX: 617-861-9540
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5535 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2148..3245
US-08-089-755A-4

Query Match 76.7%; Score 13.8; DB 1; Length 5535;
Best Local Similarity 88.2%; Pred. No. 1.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCCCGATGACGAGCT 17
| | | | | | | | | |
Db 3556 GCCCGATGATGAGCT 3572

Search completed: February 17, 2003, 23:05:25
Job time : 1849.22 secs

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 21:30:48 : Search time 96.2091 Seconds
(without alignments)
95.291 Million cell updates/sec

Title: US-09-362-485-15

Sequence: 1 GCCCGATGACGAGCAATC 18

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 424239 seqs, 254661826 residues

Total number of hits satisfying chosen parameters: 84n478

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_NA.*
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2: /cgn2_6/ptodata/2/pubpna/PC7_NEW_PUB.seq.*
3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
6: /cgn2_6/ptodata/2/pubpna/PC7US_PUBCOMB.seq.*
7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq.*
8: /cgn2_6/ptodata/2/pubpna/US08_PU_COMB.seq.*
9: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
10: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq.*
11: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq.*
13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	15.4	85.6	1869	US-09-961-527A-8	Sequence 8, Appl1
2	15.4	85.6	8667	US-09-961-527A-3	Sequence 3, Appl1
3	14.8	80.2	7011	US-09-854-456-964	Sequence 964, App
4	14.4	82.0	1431	US-09-874-300-2891	Sequence 2891, Ap
5	14.4	80.0	4348	US-09-879-445-1	Sequence 1, Appl1
6	13.8	76.7	104	US-10-040-739-1310	Sequence 1310, Ap
7	13.8	76.7	681	US-09-864-711-9	Sequence 9, Appl1
8	13.8	76.7	714	US-09-872-153-10	Sequence 10, Appl1
9	13.8	76.7	1593	US-09-815-242-6008	Sequence 6008, Ap
10	13.8	76.7	5596	US-09-911-888-1	Sequence 1, Appl1
11	13.8	76.7	5596	US-09-911-888-3	Sequence 3, Appl1
12	13.8	76.7	10351	US-09-874-470-5	Sequence 5, Appl1
13	13.8	76.7	25603	US-09-819-607-3	Sequence 3, Appl1
14	13.8	76.7	31124	US-10-060-763-12	Sequence 12, Appl1
15	13.8	76.7	31124	US-10-063-763-12	Sequence 12, Appl1
16	13.4	74.4	225	US-09-733-151-7	Sequence 7, Appl1
17	13.4	74.4	462	US-10-046-935-28	Sequence 28, Appl1
18	13.4	74.4	462	US-09-878-178-28	Sequence 28, Appl1
19	13.4	74.4	834	US-09-974-300-2225	Sequence 2225, Ap

20	13.4	74.4	2202	US-09-938-842A-2296	Sequence 2296, Ap
21	13.4	74.4	4465	US-10-047-542-13	Sequence 13, Appl1
22	13.4	74.4	4832	US-09-733-151-2	Sequence 2, Appl1
23	13.4	74.4	4855	US-10-071-766-127	Sequence 127, Appl1
24	13.4	74.4	4946	US-09-733-151-1	Sequence 1, Appl1
25	13.4	74.4	5349	US-09-970-921-7	Sequence 7, Appl1
26	13.4	74.4	6539	US-09-509-945-5	Sequence 5, Appl1
27	13.4	74.4	6548	US-09-509-945-4	Sequence 4, Appl1
28	13.4	74.4	6602	US-10-047-542-100	Sequence 100, App
29	13.4	74.4	7129	US-10-047-542-101	Sequence 101, App
30	13.4	74.4	8074	US-10-047-542-14	Sequence 14, Appl1
31	13.4	74.4	8340	US-09-847-057-4	Sequence 4, Appl1
32	13.4	74.4	8340	US-09-874-926-4	Sequence 4, Appl1
33	13.4	74.4	10078	US-10-033-190-3	Sequence 3, Appl1
34	13.2	73.3	193	US-09-833-381-2022	Sequence 2022, Ap
35	13.2	73.3	196	US-09-864-761-17215	Sequence 17215, A
36	13.2	73.3	271	US-09-923-876-5878	Sequence 5878, Ap
37	13.2	73.3	313	US-09-864-761-2049	Sequence 2049, Ap
38	13.2	73.3	413	US-09-960-352-5114	Sequence 5114, Ap
39	13.2	73.3	479	US-09-864-761-377	Sequence 377, App
40	13.2	73.3	518	US-09-824-787B-3	Sequence 3, Appl1
41	13.2	73.3	587	US-09-864-761-12936	Sequence 12936, A
42	13.2	73.3	800	US-09-974-300-59	Sequence 59, Appl1
43	13.2	73.3	954	US-10-043-238-2	Sequence 2, Appl1
44	13.2	73.3	1149	US-09-738-626-2201	Sequence 2201, Ap
45	13.2	73.3	1176	US-09-880-107-2127	Sequence 2127, Ap

ALIGNMENTS

RESULT 1
US-09-961-527A-8
: Sequence 8, Application US/09961527A
: Patent No. US20020142324A1
: GENERAL INFORMATION:
: APPLICANT: Wang, Xun
: APPLICANT: Turgeon, B. Gillian
: APPLICANT: Yoder, Olen
: APPLICANT: Wu, Jiansuo
: TITLE OF INVENTION: Fungal target genes and methods to identify those genes
: FILE REFERENCE: TM0129-0T
: CURRENT APPLICATION NUMBER: US/09/961,527A
: CURRENT FILING DATE: 2001-09-24
: PRIOR APPLICATION NUMBER: US 60/234,673
: PRIOR FILING DATE: 2000-09-22
: PRIOR APPLICATION NUMBER: US 60/234,650
: PRIOR FILING DATE: 2000-09-22
: NUMBER OF SEQ ID NOS: 19
: SEQ ID NO 8
: LENGTH: 1869
: TYPE: DNA
: ORGANISM: *Cochliobolus*
US-09-961-527A-8
Query Match 85.6%; Score 15.4; DB 10; Length 1869;
Best Local Similarity 94.1%; Pred. No. 19;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 1 GCCCGATGACGCACT 17
Db 1567 GCCCGATGACGCACT 1563
RESULT 2
US-09-961-527A-3
: Sequence 3, Application US/09961527A
: Patent No. US20020142324A1
: GENERAL INFORMATION:
: APPLICANT: Wang, Xun
: APPLICANT: Turgeon, B. Gillian
: APPLICANT: Yoder, Olen
: APPLICANT: Wu, Jiansuo

TITLE OF INVENTION: Fungal target genes and methods to identify those genes
FILE REFERENCE: TM0129-UT
CURRENT APPLICATION NUMBER: US/09/961,527A
CURRENT FILING DATE: 2001-09-24
PRIOR APPLICATION NUMBER: US 60/234,673
PRIOR FILING DATE: 2000-09-22
PRIOR APPLICATION NUMBER: US 60/234,650
PRIOR FILING DATE: 2000-09-22
NUMBER OF SEQ ID NOS: 19
SEQ ID NO 3
LENGTH: 8667
TYPE: DNA
ORGANISM: Cochliobolus
FEATURE:
NAME/KEY: misc.feature
LOCATION: (1)-(8667)
OTHER INFORMATION: n - A,T,C or G
US-09-961-527A-3

Query Match 85.6%; Score 15.4; DB 10; Length 8667;
Best Local Similarity 94.1%; Pred. No. 20;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 GCCCGATGACGAGT 17
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Db 2971 GCCCGATGACGAGT 2987

RESULT 3
US-09-954-456-964/C
Sequence 964, Application US/09954456
Patent No. US20020115057A1
GENERAL INFORMATION:
APPLICANT: Young, Paul
TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cand
FILE REFERENCE: 689290-76
CURRENT APPLICATION NUMBER: US/09/954,456
CURRENT FILING DATE: 2001-09-18
PRIOR APPLICATION NUMBER: US/60/233,617
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: US/60/234,052
PRIOR FILING DATE: 2000-09-20
PRIOR APPLICATION NUMBER: US/60/234,923
PRIOR FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: US/60/235,134
PRIOR FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: US/60/235,637
PRIOR FILING DATE: 2000-09-26
PRIOR APPLICATION NUMBER: US/60/235,638
PRIOR FILING DATE: 2000-09-26
PRIOR APPLICATION NUMBER: US/60/235,711
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US/60/235,720
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US/60/235,840
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US/60/235,863
PRIOR FILING DATE: 2000-09-27
NUMBER OF SEQ ID NOS: 2276
SOFTWARE: PatentIn version 3.0
SEQ ID NO 964
LENGTH: 7011
TYPE: DNA
ORGANISM: Homo sapiens
US-09-954-456-964

Query Match 82.2%; Score 14.8; DB 10; Length 7011;
Best Local Similarity 88.9%; Pred. No. 42;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
OY 1 GCCCGATGACGAGT 18
|||||

Db 2735 GCCCGATGACGAGT 2718

RESULT 4
US-09-974-300-2891
Sequence 2891, Application US/09974300
Patent No. US20020146721A1
GENERAL INFORMATION:
APPLICANT: Berka, Randy M.
APPLICANT: Clausen, Ib Groth
TITLE OF INVENTION: Methods for Monitoring Multiple Gene
FILE REFERENCE: 10085-300-US
CURRENT APPLICATION NUMBER: US/09/974,300
CURRENT FILING DATE: 2001-10-05
PRIOR APPLICATION NUMBER: 09/680,598
PRIOR FILING DATE: 2000-10-06
PRIOR APPLICATION NUMBER: 60/279,526
PRIOR FILING DATE: 2001-03-27
NUMBER OF SEQ ID NOS: 8481
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2891
LENGTH: 1431
TYPE: DNA
ORGANISM: Bacillus licheniformis
US-09-974-300-2891

Query Match 80.0%; Score 14.4; DB 10; Length 1431;
Best Local Similarity 93.8%; Pred. No. 65;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 GCCCGATGACGAG 16
|||||
Db 412 GCCCGATGACGAG 427

RESULT 5
US-09-879-445-1
Sequence 1, Application US/09879445
Patent No. US20020061509A1
GENERAL INFORMATION:
APPLICANT: Mundy, Gregory R.
Gallwitz, Wolf
TITLE OF INVENTION: SCREENING ASSAY FOR THE IDENTIFICATION
OF AGENTS WHICH INHIBIT CANCER
METASTASIS TO BONE
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESS: Arnold, White & Burke
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/879,445
FILING DATE: 11-Jun-2001
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/915,868
FILING DATE: <unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Highlander, Steven L.
REGISTRATION NUMBER: 37,642
REFERENCE/DOCKET NUMBER: OSTs:002P21
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512/418-3000
TELEFAX: 512/474-7577

```

: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
:   LENGTH: 4348 base pairs
:   TYPE: nucleic acid
:   STRANDEDNESS: single
:   TOPOLOGY: linear
: SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-879-445-1

Query Match      80.0%; Score 14.4; DB 10; Length 4348;
Best Local Similarity 93.8%; Pred. No. 68;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCCCGGATGAGCGAAGT 16
    |||
DB 2219 GCCCGGATGAGCGAAGT 2234

RESULT 6
US-10-040-739-1310/C
: Sequence 1310, Application US/10040739
: Patent No. US20020173635A1
: GENERAL INFORMATION:
:   APPLICANT: Jacobs, Kenneth
:   McCoy, John
:   Lavelle, Edward
:   Racie, Lisa
:   Merberg, David
:   Treacy, Maurice
:   Spaulding, Vikki
: TITLE OF INVENTION: SECRETED, EXPRESSED SEQUENCE TAGS
: NUMBER OF SEQUENCES: 1519
: CORRESPONDENCE ADDRESS:
:   ADDRESSEE: Genetics Institute, Inc.
:   STREET: 87 Cambridgepark Drive
:   CITY: Cambridge
:   STATE: Massachusetts
:   COUNTRY: U.S.A
:   ZIP: 02140
: COMPUTER READABLE FORM:
:   MEDIUM TYPE: Floppy Disk
:   COMPUTER: IBM PC Compatible
:   OPERATING SYSTEM: PC-DOS/MS-DOS
:   SOFTWARE: Patentn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
:   APPLICATION NUMBER: US/10/040.739
:   FILING DATE: 07-Jan-2002
:   CLASSIFICATION: <Unknown>
:   PRIOR APPLICATION DATA:
:     APPLICATION NUMBER: 09/036,520
:     FILING DATE: 03-JUN-1998
:   ATTORNEY/AGENT INFORMATION:
:     NAME: Brown, Scott A.
:     REGISTRATION NUMBER: 32,724
:   TELECOMMUNICATION INFORMATION:
:     TELEPHONE: (617) 498-8224
:     TELEFAX: (617) 876-5851
: INFORMATION FOR SEQ ID NO: 1310:
: SEQUENCE CHARACTERISTICS:
:   LENGTH: 104 base pairs
:   TYPE: nucleic acid
:   STRANDEDNESS: double
:   TOPOLOGY: linear
:   MOLECULE TYPE: cDNA
: SEQUENCE DESCRIPTION: SEQ ID NO: 1310:
US-10-040-739-1310

Query Match      76.7%; Score 13.8; DB 9; Length 104;
Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCCCGGATGAGCGAAGT 17
    |||
DB 11111111111111111111
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DB 50 GCCCGATGAGCGAAGT 34

RESULT 7
US-09-864-711-9
: Sequence 9, Application US/09864711
: Patent No. US20020077309A1
: GENERAL INFORMATION:
:   APPLICANT: Walker, Michael G.
:   APPLICANT: Volkmutz, Wayne
:   APPLICANT: Klingler, Tod M.
: TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR PANCREATIC DISORDERS
: FILE REFERENCE: PB-0008-1 CIP
: CURRENT APPLICATION NUMBER: US/09/864,711
: CURRENT FILING DATE: 2001-05-23
: NUMBER OF SEQ ID NOS: 15
: SOFTWARE: PERL Program
: SEQ ID NO 9
:   LENGTH: 681
:   TYPE: DNA
:   ORGANISM: Homo sapiens
: FEATURE:
:   OTHER INFORMATION: 2777115
US-09-864-711-9

Query Match      76.7%; Score 13.8; DB 10; Length 681;
Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCCCGATGAGCGAAGT 17
    |||
DB 215 GCCCGGAGGAGCGAAGT 231

RESULT 8
US-09-872-153-10
: Sequence 10, Application US/09872153
: Patent No. US20020082207A1
: GENERAL INFORMATION:
:   APPLICANT: Hirst, Shannon K.
:   APPLICANT: Harlocker, Susi L.
:   APPLICANT: Dillon, David C.
:   APPLICANT: Kalos, Michael D.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
: FILE REFERENCE: 210121.531
: CURRENT APPLICATION NUMBER: US/09/872,153
: CURRENT FILING DATE: 2001-05-31
: NUMBER OF SEQ ID NOS: 28
: SOFTWARE: Paslsho for Windows Version 4.0
: SEQ ID NO 10
:   LENGTH: 714
:   TYPE: DNA
:   ORGANISM: Homo sapien
: FEATURE:
:   NAME/KEY: misc-feature
:   LOCATION: (1)...(714)
:   OTHER INFORMATION: n = A,T,C or G
US-09-872-153-10

Query Match      76.7%; Score 13.8; DB 10; Length 714;
Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCCCGATGAGCGAAGT 17
    |||
DB 94 GCCCGGAGGAGCGAAGT 110

RESULT 9
US-09-815-242-6008
: Sequence 6008, Application US/09815242
: Patent No. US20020061569A1
```

```

: GENERAL INFORMATION:
: APPLICANT: Haselbeck, Robert
: APPLICANT: Ohlsen, Kari L.
: APPLICANT: Zyskind, Judith W.
: APPLICANT: Wall, Daniel
: APPLICANT: Trawick, John D.
: APPLICANT: Carr, Grant J.
: APPLICANT: Yamamoto, Robert T.
: APPLICANT: Xu, H. Howard
: TITLE OF INVENTION: Identification of Essential Genes in
: FILE REFERENCE: ELITRA.011A
: CURRENT APPLICATION NUMBER: US/09/815,242
: CURRENT FILING DATE: 2001-03-21,078
: PRIOR APPLICATION NUMBER: 60/191,078
: PRIOR FILING DATE: 2000-03-21
: PRIOR APPLICATION NUMBER: 60/206,848
: PRIOR FILING DATE: 2000-05-23
: PRIOR APPLICATION NUMBER: 60/207,727
: PRIOR FILING DATE: 2000-05-26
: PRIOR APPLICATION NUMBER: 60/242,578
: PRIOR FILING DATE: 2000-10-23
: PRIOR APPLICATION NUMBER: 60/253,625
: PRIOR FILING DATE: 2000-11-27
: PRIOR APPLICATION NUMBER: 60/257,931
: PRIOR FILING DATE: 2000-12-22
: PRIOR APPLICATION NUMBER: 60/269,308
: PRIOR FILING DATE: 2001-02-16
: NUMBER OF SEQ ID NOS: 14110
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 6008
: LENGTH: 1593
: TYPE: DNA
: ORGANISM: Escherichia coli
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (1)...(1593)
US-09-815-242-6008

Query Match          76.7%: Score 13.8: DB 10: Length 1593:
Best Local Similarity 88.2%: Pred. No. 1.4e+02;
Matches 15: Conservative 0: Mismatches 2: Indels 0: Gaps 0:

Qy      1 GCGCCGATGAGCGAGT 17
      1 ||||| ||||| |||||
Db      451 GCGCCGATGAGCGAGT 467

RESULT 10
US-09-911-888-1
: Sequence 1, Application US/09911888
: Patent No. US20020119509A1
: GENERAL INFORMATION:
: APPLICANT: Koltin, Yigal
: APPLICANT: Gavrias, Victoria
: TITLE OF INVENTION: ESSENTIAL FUNGAL GENES AND THEIR USE
: FILE REFERENCE: 06286-062002
: CURRENT APPLICATION NUMBER: US/09/911,888
: CURRENT FILING DATE: 2001-07-23
: PRIOR APPLICATION NUMBER: US 08/965,762
: PRIOR FILING DATE: 1997-11-07
: NUMBER OF SEQ ID NOS: 35
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 1
: LENGTH: 5596
: TYPE: DNA
: ORGANISM: Aspergillus nidulans
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (604)...(2655)
: NAME/KEY: CDS
: LOCATION: (2706)...(3992)
US-09-911-888-1
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Query Match          76.7%: Score 13.8: DB 10: Length 5596:
Best Local Similarity 88.2%: Pred. No. 1.5e+02;
Matches 15: Conservative 0: Mismatches 2: Indels 0: Gaps 0:

Qy      1 GCGCCGATGAGCGAGT 17
      1 ||||| ||||| |||||
Db      3297 GCGCTGATGAGCGAGT 3313

RESULT 11
US-09-911-888-3/c
: Sequence 3, Application US/09911888
: Patent No. US20020119509A1
: GENERAL INFORMATION:
: APPLICANT: Koltin, Yigal
: APPLICANT: Gavrias, Victor I
: TITLE OF INVENTION: ESSENTIAL FUNGAL GENES AND THEIR USE
: FILE REFERENCE: 06286-062002
: CURRENT APPLICATION NUMBER: US/09/911,888
: CURRENT FILING DATE: 2001-07-23
: PRIOR APPLICATION NUMBER: US 08/965,762
: PRIOR FILING DATE: 1997-11-07
: NUMBER OF SEQ ID NOS: 35
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 3
: LENGTH: 5596
: TYPE: DNA
: ORGANISM: Aspergillus nidulans
US-09-911-888-3

Query Match          76.7%: Score 13.8: DB 10: Length 5596:
Best Local Similarity 88.2%: Pred. No. 1.5e+02;
Matches 15: Conservative 0: Mismatches 2: Indels 0: Gaps 0:

Qy      1 GCGCCGATGAGCGAGT 17
      1 ||||| ||||| |||||
Db      2300 GCGCTGATGAGCGAGT 2284

RESULT 12
US-09-874-470-5/c
: Sequence 5, Application US/09874470
: Patent No. US20020071842A1
: GENERAL INFORMATION:
: APPLICANT: Gumpertz, Jenny F.
: APPLICANT: Brenner, Michael B.
: APPLICANT: Behar, Samuel M.
: TITLE OF INVENTION: Soluble viral Compositions and Uses Thereof
: FILE REFERENCE: B00801/7021-
: CURRENT APPLICATION NUMBER: US/09/874,470
: CURRENT FILING DATE: 2001-06-05
: PRIOR APPLICATION NUMBER: US 60/209,416
: PRIOR FILING DATE: 2000-06-05
: NUMBER OF SEQ ID NOS: 12
: SOFTWARE: PatentIn version 3.0
: SEQ ID NO 5
: LENGTH: 10351
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-874-470-5

Query Match          76.7%: Score 13.8: DB 10: Length 10351:
Best Local Similarity 88.2%: Pred. No. 1.5e+02;
Matches 15: Conservative 0: Mismatches 2: Indels 0: Gaps 0:

Qy      2 CCGCGATGAGCGAGTC 18
      2 ||||| ||||| |||||
Db      555 CCGCGATGAGCGAGCC 539

RESULT 13
US-09-819-607-3/c
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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 16:07:27 ; Search time 24.7596 Seconds
(without alignments)
210.565 Million cell updates/sec

Title: US-09-362-485-16

Perfect score: 1 GGGGCGCTCTGTGCGC 17

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_NA:*
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6: /cgn2_6/prodata/2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	17	100.0	4403765	4 US-09-103-840A-2	Sequence 2, Appl
2	15.4	90.6	1477	4 US-09-484-970B-99	Sequence 99, Appl
3	14.4	84.7	221	4 US-09-503-172A-9	Sequence 9, Appl
4	14.4	84.7	1252	4 US-09-561-756-29	Sequence 29, Appl
5	14.4	84.7	1252	4 US-09-227-721-29	Sequence 29, Appl
6	14.4	84.7	1917	4 US-09-503-172A-1	Sequence 1, Appl
7	14.4	84.7	3870	1 US-08-138-641-1	Sequence 1, Appl
8	14.4	84.7	3870	1 US-08-138-133-1	Sequence 1, Appl
9	14.4	84.7	3893	1 US-08-138-641-3	Sequence 3, Appl
10	14.4	84.7	3893	1 US-08-138-133-3	Sequence 3, Appl
11	14.4	84.7	4342	1 US-08-436-044-1	Sequence 1, Appl
12	14.4	84.7	4342	2 US-08-436-054-1	Sequence 1, Appl
13	14.4	84.7	4342	5 PCT-US95-08812-1	Sequence 1, Appl
14	14.4	84.7	4698	1 US-07-807-043B-5	Sequence 5, Appl
15	14.4	84.7	4698	1 US-08-299-849B-5	Sequence 5, Appl
16	14.4	84.7	4698	2 US-08-142-368A-5	Sequence 5, Appl
17	14.4	84.7	4698	3 US-08-967-727-5	Sequence 5, Appl
18	14.4	84.7	4698	4 US-08-037-230D-5	Sequence 5, Appl
19	14.4	84.7	80161	3 US-09-036-987A-1	Sequence 1, Appl
20	14.4	84.7	80161	4 US-09-370-700-1	Sequence 1, Appl
21	14.4	82.4	3694	4 US-09-232-200-46	Sequence 46, Appl
22	14.4	82.4	3694	4 US-09-232-197-46	Sequence 46, Appl
23	14.4	82.4	3694	4 US-09-232-201-46	Sequence 46, Appl
24	14.4	82.4	3704	4 US-09-232-200-24	Sequence 24, Appl
25	14.4	82.4	3704	4 US-09-232-197-24	Sequence 24, Appl
26	14.4	82.4	3704	4 US-09-232-201-24	Sequence 24, Appl
27	14.4	82.4	4344	4 US-09-462-561B-11	Sequence 11, Appl

C 28	14	82.4	6743	3 US-08-932-280-1	Sequence 1, Appl
C 29	13.8	81.2	20	4 US-09-503-172A-7	Sequence 7, Appl
C 30	13.8	81.2	246	4 US-09-280-116-152	Sequence 152, Appl
C 31	13.8	81.2	247	3 US-09-109-205-13	Sequence 13, Appl
C 32	13.8	81.2	268	1 US-08-105-168B-1	Sequence 1, Appl
C 33	13.8	81.2	268	1 US-08-105-168B-2	Sequence 2, Appl
C 34	13.8	81.2	268	1 US-08-105-168B-3	Sequence 3, Appl
C 35	13.8	81.2	268	2 US-08-698-948-1	Sequence 1, Appl
C 36	13.8	81.2	268	2 US-08-698-948-2	Sequence 2, Appl
C 37	13.8	81.2	268	2 US-08-698-948-3	Sequence 3, Appl
C 38	13.8	81.2	314	1 US-08-105-168B-23	Sequence 23, Appl
C 39	13.8	81.2	314	2 US-08-698-948-23	Sequence 23, Appl
C 40	13.8	81.2	342	2 US-08-473-020A-31	Sequence 31, Appl
C 41	13.8	81.2	343	2 US-08-473-020A-4	Sequence 4, Appl
C 42	13.8	81.2	345	4 US-09-127-946-5	Sequence 5, Appl
C 43	13.8	81.2	350	1 US-08-105-168B-22	Sequence 22, Appl
C 44	13.8	81.2	350	2 US-08-698-948-22	Sequence 22, Appl
C 45	13.8	81.2	588	4 US-09-199-637A-18	Sequence 18, Appl

ALIGNMENTS

```
RESULT 1
US-09-103-840A-2
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
US-09-103-840A-2

Query Match          100.0%; Score 17; DB 4; Length 4403765;
Best Local Similarity 100.0%; Pred. No. 8.5;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GGGGCGCTCTGTGCGC 17
Db 3082208 GGGGCGCTCTGTGCGC 3082224

RESULT 2
US-09-484-970B-99
; Sequence 99, Application US/09484970B
; Patent No. 6426186
; GENERAL INFORMATION:
; APPLICANT: Jones, Karen A.
; APPLICANT: Volkmuth, Wayne
; APPLICANT: Walker, Michael G.
; TITLE OF INVENTION: BONE REMODELING GENES
; FILE REFERENCE: PB-0014 US
; CURRENT APPLICATION NUMBER: US/09/484,970B
; CURRENT FILING DATE: 2000-01-18
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: PERL Program
; SEQ ID NO 99
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LENGTH: 1477
TYPE: LNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No. 6426186 337314.ICB1
NAME/KEY: unsure
LOCATION: 46, 661
OTHER INFORMATION: a, t, c, g, or other
US-09-484-970B-99
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Query Match          90.6%; Score 15.4; DB 4; Length 1477;
Best Local Similarity 94.1%; Pred. No. 87;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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OY      1 GGGCGCTCTGCTGCC 17
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Db      618 GGGCGCTCTGAGACC 634
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RESULT 3
US-09-503-172A-9/c
Sequence 9, Application US/09503172A
Patent No. 6284510
GENERAL INFORMATION:
APPLICANT: ITO, Tetsuya
APPLICANT: FUJITA, Koki
APPLICANT: HARA, Kozo
APPLICANT: TONOUZUKA, Takashi
APPLICANT: SAKANO, Yoshiyuki
TITLE OF INVENTION: BETA-FRUCTOFURANOSIDASE GENE
FILE REFERENCE: 10749-0001-0
CURRENT APPLICATION NUMBER: US/09/503,172A
CURRENT FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: JP 160416/1999
PRIOR FILING DATE: 1999-06-08
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 9
LENGTH: 221
TYPE: DNA
ORGANISM: Arthrobacter sp.
US-09-503-172A-9
```

```
Query Match          84.7%; Score 14.4; DB 4; Length 221;
Best Local Similarity 93.8%; Pred. No. 2.8e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
OY      2 GGGCGCTCTGCTGCC 17
        |||
Db      17 GGGCGCTCTGAGACC 2
```

```
RESULT 4
US-09-561-756-29
Sequence 29, Application US/09561756
Patent No. 6376226
GENERAL INFORMATION:
APPLICANT: Alnemri, Emdad S.
TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USES
FILE REFERENCE: 480140.431
CURRENT APPLICATION NUMBER: US/09/561,756
CURRENT FILING DATE: 2000-04-26
PRIOR APPLICATION NUMBER: 09/227,721
PRIOR FILING DATE: 1999-01-08
NUMBER OF SEQ ID NOS: 116
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 29
LENGTH: 1252
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
```

```
NAME/KEY: misc_feature
LOCATION: (1)..(1252)
OTHER INFORMATION: n = A,T,C or G
US-09-561-756-29
```

```
Query Match          84.7%; Score 14.4; DB 4; Length 1252;
Best Local Similarity 93.8%; Pred. No. 2.4e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
OY      2 GGGCGCTCTGCTGCC 17
        |||
Db      659 GGGCGCTCTGCTGCC 674
```

```
RESULT 5
US-09-227-721-29
Sequence 29, Application US/09227721
Patent No. 6379950
GENERAL INFORMATION:
APPLICANT: Alnemri, Emdad S.
TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USES
FILE REFERENCE: 480140.431
CURRENT APPLICATION NUMBER: US/09/227,721
CURRENT FILING DATE: 1999-01-08
NUMBER OF SEQ ID NOS: 116
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 29
LENGTH: 1252
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(1252)
OTHER INFORMATION: n = A,T,C or G
US-09-227-721-29
```

```
Query Match          84.7%; Score 14.4; DB 4; Length 1252;
Best Local Similarity 93.8%; Pred. No. 2.4e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
OY      2 GGGCGCTCTGCTGCC 17
        |||
Db      659 GGGCGCTCTGCTGCC 674
```

```
RESULT 6
US-09-503-172A-1/c
Sequence 1, Application US/09503172A
Patent No. 6284510
GENERAL INFORMATION:
APPLICANT: ITO, Tetsuya
APPLICANT: FUJITA, Koki
APPLICANT: HARA, Kozo
APPLICANT: TONOUZUKA, Takashi
APPLICANT: SAKANO, Yoshiyuki
TITLE OF INVENTION: BETA-FRUCTOFURANOSIDASE GENE
FILE REFERENCE: 10749-0001-0
CURRENT APPLICATION NUMBER: US/09/503,172A
CURRENT FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: JP 160416/1999
PRIOR FILING DATE: 1999-06-08
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 1917
TYPE: DNA
ORGANISM: Arthrobacter sp.
FEATURE:
NAME/KEY: CDS
LOCATION: (181)..(1917)
NAME/KEY: mat_peptide
LOCATION: (289)..(1917)
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US-09-503-172A-1

Query Match 84.7%; Score 14.4; DB 4; Length 1917;
Best Local Similarity 93.8%; Pred. No. 2.4e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 GGGCGCTCTGTCGC 17
DB 311 GGGCGCTCTGTCGC 296

RESULT 7

US-08-138-641-1
Sequence 1, Application US/08138641
Patent No. 5474921

GENERAL INFORMATION:
APPLICANT: Kobljan, Kenneth S.
APPLICANT: Pompliano, David L.
TITLE OF INVENTION: ASSAY TO DETERMINE INHIBITORS OF
TITLE OF INVENTION: PHOSPHOINOSITIDE-SPECIFIC PHOSPHOLIPASE C-GAMMA
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: David A. Muthard
STREET: P. O. Box 2000, 126 E. Lincoln Avenue
CITY: Rahway
STATE: New Jersey
COUNTRY: USA
ZIP: 07065

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/138,641
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Muthard, David A.
REGISTRATION NUMBER: 35,297
REFERENCE/DOCKET NUMBER: 18937
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908) 594-3903
TELEFAX: (908) 594-4720
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3870 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA

US-08-138-641-1
Query Match 84.7%; Score 14.4; DB 1; Length 3870;
Best Local Similarity 93.8%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGGCGCTCTGTCGC 16
DB 2065 GGGCGCTCTGTCGC 2080

RESULT 8

US-08-138-133-1
Sequence 1, Application US/0818133
Patent No. 5519163

GENERAL INFORMATION:
APPLICANT: GIBBS, JACKSON B.
APPLICANT: KOBLAN, KENNETH S.
APPLICANT: MACLEOD, ANGUS M.
APPLICANT: MERCHANT, KEVIN J.
TITLE OF INVENTION: INHIBITORS OF PHOSPHOINOSITIDE-SPECIFIC
TITLE OF INVENTION: PHOSPHOLIPASE C

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: DAVID A. MUTHARD
STREET: P. O. BOX 2000, 126 E. LINCOLN AVENUE
CITY: RAHWAY
STATE: NEW JERSEY
COUNTRY: U.S.A.
ZIP: 07065

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/138,133
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: MUTHARD, DAVID A.
REGISTRATION NUMBER: 35,297
REFERENCE/DOCKET NUMBER: 18938
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908) 594-3903
TELEFAX: (908) 594-4720
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3870 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA

US-08-138-133-1
Query Match 84.7%; Score 14.4; DB 1; Length 3870;
Best Local Similarity 93.8%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGGCGCTCTGTCGC 16
DB 2065 GGGCGCTCTGTCGC 2080

RESULT 9

US-08-138-641-3
Sequence 3, Application US/08138641
Patent No. 5474921

GENERAL INFORMATION:
APPLICANT: Kobljan, Kenneth S.
APPLICANT: Pompliano, David L.
TITLE OF INVENTION: ASSAY TO DETERMINE INHIBITORS OF
TITLE OF INVENTION: PHOSPHOINOSITIDE-SPECIFIC PHOSPHOLIPASE C-GAMMA
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: David A. Muthard
STREET: P. O. Box 2000, 126 E. Lincoln Avenue
CITY: Rahway
STATE: New Jersey
COUNTRY: USA
ZIP: 07065

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/138,641
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Muthard, David A.
REGISTRATION NUMBER: 35,297
REFERENCE/DOCKET NUMBER: 18937
TELECOMMUNICATION INFORMATION:

TELEPHONE: (908) 594-3903
TELEFAX: (908) 594-4720
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3893 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-138-641-3

Query Match 84.7%; Score 14.4; DB 1; Length 3893;
Best Local Similarity 93.8%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGGGCGCTCTGCTGC 16
||||| |||||||
DB 2065 GGGGCTTCTGCTGC 2080

RESULT 10

US-08-138-133-3
Sequence 3, Application US/08138133
Patent No. 5519163

GENERAL INFORMATION:
APPLICANT: GIBBS, JACKSON B.
APPLICANT: KOBLAN, KENNETH S.
APPLICANT: MACLEOD, ANGUS M.
APPLICANT: MERCHANT, KEVIN J.
TITLE OF INVENTION: INHIBITORS OF PHOSPHOINOSITIDE-SPECIFIC
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: DAVID A. MUTHARD
STREET: P. O. BOX 2000, 126 E. LINCOLN AVENUE
CITY: RAHWAY
STATE: NEW JERSEY
COUNTRY: U.S.A.
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/138.133
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: MUTHARD, DAVID A.
REGISTRATION NUMBER: 35,297
REFERENCE/DOCKET NUMBER: 18938
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908) 594-3903
TELEFAX: (908) 594-4720
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3893 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-138-133-3

Query Match 84.7%; Score 14.4; DB 1; Length 3893;
Best Local Similarity 93.8%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGGGCGCTCTGCTGC 16
||||| |||||||
DB 2065 GGGGCTTCTGCTGC 2080

RESULT 11

US-08-436-044-1/C
Sequence 1, Application US/08436044
Patent No. 5624899

GENERAL INFORMATION:
APPLICANT: Bennett, Brian D.
APPLICANT: Matthews, William
TITLE OF INVENTION: HTK LIGAND
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/436.044
FILING DATE: 05-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/277722
FILING DATE: 20-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 00,000
REFERENCE/DOCKET NUMBER: 90203
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4342 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-436-044-1

Query Match 84.7%; Score 14.4; DB 1; Length 4342;
Best Local Similarity 93.8%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGGGCGCTCTGCTGC 16
||||| |||||||
DB 1503 GGGGCGGCTCTGCTGC 1488

RESULT 12
US-08-436-054-1/C
Sequence 1, Application US/08436054
Patent No. 5864020

GENERAL INFORMATION:
APPLICANT: Bennett, Brian D.
APPLICANT: Matthews, William
TITLE OF INVENTION: HTK LIGAND
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

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SOFTWARE: palin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/436.054
FILING DATE: 05-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/277722
FILING DATE: 20-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 00,000
REFERENCE/DOCKET NUMBER: 90201
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4342 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-436-054-1
```

```
Query Match      84.7%: Score 14.4; DB 2: Length 4342;
Best Local Similarity 93.8%: Pred. No. 2.2e+02;
Matches 15: Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1 GGGCGCGTCTGCTGC 16
        ||||| |||||
DB      1503 GGGCGCGCTGCTGC 1488
```

```
RESULT 13
PCT-US95-08812-1/c
Sequence 1, Application PC/TUS9508812
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
TITLE OF INVENTION: HTK LIGAND
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESS: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: palin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/08812
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 00,000
REFERENCE/DOCKET NUMBER: 902PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4342 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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PCT-US95-08812-1

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Query Match      84.7%: Score 14.4; DB 5: Length 4342;
Best Local Similarity 93.8%: Pred. No. 2.2e+02;
Matches 15: Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1 GGGCGCGTCTGCTGC 16
        ||||| |||||
DB      1503 GGGCGCGCTGCTGC 1488
```

```
RESULT 14
US-07-807-043B-5/c
Sequence 5, Application US/07807043B
Patent No. 5342774
GENERAL INFORMATION:
APPLICANT: Boon, Thierry, Van den Eynde, Beno t
TITLE OF INVENTION: Tumor Rejection Antigen Precursors, Tumor
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESS: Felle & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/807,043B
FILING DATE: 19911212
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/764,364
FILING DATE: 23-SEPTEMBER-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/728,838
FILING DATE: 9-JULY-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/705,702
FILING DATE: 23-MAY-1991
ATTORNEY/AGENT INFORMATION:
NAME: Hanson, No. 5342774man D.
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: 1111 253.4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 4698 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: singular
TOPOLOGY: linear
MOLECULE TYPE: genomic DNA
US-07-807-043B-5
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```
Query Match      84.7%: Score 14.4; DB 1: Length 4698;
Best Local Similarity 93.8%: Pred. No. 2.2e+02;
Matches 15: Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1 GGGCGCGTCTGCTGC 16
        ||||| |||||
DB      1709 GGGCGAGTCTGCTGC 1694
```

```
RESULT 15
US-08-299-849B-5/c
Sequence 5, Application US/08299849B
Patent No. 5612201
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```

: GENERAL INFORMATION:
: APPLICANT: De Plaen, Etienne; Boon-Falleur, Thierry;
: APPLICANT: Leth, Bernard; Szikora, Jean-Pierre; De Smet, Charles;
: APPLICANT: Chomez, Patrick
: TITLE OF INVENTION: Isolated Nucleic Acid Molecules Useful In
: TITLE OF INVENTION: Determining Expression Of A Tumor Antigen Precursor
: NUMBER OF SEQUENCES: 48
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Felfe & Lynch
: STREET: 805 Third Avenue
: CITY: New York City
: STATE: New York
: ZIP: 10022
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
: COMPUTER: IBM
: OPERATING SYSTEM: PC-DOS
: SOFTWARE: Wordperfect
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/299, 849B
: FILING DATE: 1-SEPTEMBER-1994
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/037,230
: FILING DATE: 26-MARCH-1993
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PCT/US92/04354
: FILING DATE: 22-MAY-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/807,043
: FILING DATE: 12-DECEMBER-1991
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/764,364
: FILING DATE: 23-SEPTEMBER-1991
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/728,838
: APPLICATION NUMBER: 9-JULY-1991
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/705,702
: FILING DATE: 23-MAY-1991
: ATTORNEY/AGENT INFORMATION:
: NAME: Hanson, No. 5612201man D.
: REGISTRATION NUMBER: 30,946
: REFERENCE/DOCKET NUMBER: LUD 5355
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (212) 688-9200
: TELEFAX: (212) 838-3884
: INFORMATION FOR SEQ ID NO: 5:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 4698 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: genomic DNA
: US-08-299-849B-5

Query Match      84.7%; Score 14.4; DB 1; Length 4698;
Best Local Similarity 93.8%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 GGGGCGTCTGTGTC 16
Db      1709 GGGGCGTCTGTGTC 1694
```

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Job time : 1043.76 secs

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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 21:30:48 ; Search time 90.8641 Seconds
(without alignments)
95.291 Million cell updates/sec

Title: US-09-362-485-16

Perfect score: 17

Sequence: 1 GGGGGCCTCTGCTGCC 17

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 424239 seqs, 25461826 residues

Total number of hits satisfying chosen parameters: 848478

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database: Published_Applications_NA:*

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13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
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C 2	15.4	90.6	9875	10	US-09-764-877-3960	Sequence 3960, App
C 3	15.4	90.6	18385	10	US-09-764-860-1018	Sequence 1018, App
C 4	15.4	88.2	1229	9	US-09-822-830A-147	Sequence 147, App
C 5	15.4	88.2	1257	10	US-10-042-141-27	Sequence 27, App1
C 6	15.4	88.2	1257	10	US-09-726-643-27	Sequence 2, App
C 7	15.4	88.2	1261	10	US-09-910-150-12	Sequence 12, App
C 8	15.4	88.2	3301	10	US-09-910-150-10	Sequence 10, App
C 9	14.4	84.7	178	10	US-09-783-590-11632	Sequence 11632, App
C 10	14.4	84.7	296	9	US-09-796-692-7024	Sequence 7024, App
C 11	14.4	84.7	301	9	US-09-796-692-3660	Sequence 3660, App
C 12	14.4	84.7	433	10	US-09-867-701-5064	Sequence 5064, App
C 13	14.4	84.7	746	10	US-09-822-849A-580	Sequence 580, App
C 14	14.4	84.7	1252	10	US-09-954-697-29	Sequence 29, App1
C 15	14.4	84.7	1470	9	US-10-029-180-75	Sequence 75, App1
C 16	14.4	84.7	1559	9	US-09-796-692-667	Sequence 667, App
C 17	14.4	82.4	575	10	US-09-880-107-2515	Sequence 2515, App
C 18	14.4	82.4	705	9	US-09-822-846-494	Sequence 494, App
C 19	14.4	82.4	6741	10	US-09-794-384A-14	Sequence 14, App1

C 20	14	82.4	8340	10	US-09-847-057-4	Sequence 4, Appl1
C 21	14	82.4	8340	10	US-09-874-926-4	Sequence 4, Appl1
C 22	14	82.4	11522	9	US-10-052-092-19	Sequence 19, Appl
C 23	13.8	81.2	60	9	US-10-057-136-2	Sequence 2, Appl1
C 24	13.8	81.2	269	10	US-09-960-352-1216	Sequence 1216, App
C 25	13.8	81.2	280	10	US-09-294-093B-7752	Sequence 2752, Appl
C 26	13.8	81.2	337	10	US-09-962-832-68	Sequence 68, Appl
C 27	13.8	81.2	337	10	US-09-880-107-133	Sequence 133, Appl
C 28	13.8	81.2	373	10	US-09-925-299-258	Sequence 258, Appl
C 29	13.8	81.2	377	10	US-09-833-381-1534	Sequence 1534, Appl
C 30	13.8	81.2	381	10	US-09-216-393-44	Sequence 44, Appl
C 31	13.8	81.2	429	9	US-09-854-133-414	Sequence 414, Appl
C 32	13.8	81.2	429	10	US-09-738-973-414	Sequence 414, Appl
C 33	13.8	81.2	432	10	US-09-216-393-46	Sequence 46, Appl
C 34	13.8	81.2	443	10	US-09-960-352-14265	Sequence 14265, App
C 35	13.8	81.2	455	10	US-09-864-761-10979	Sequence 10979, App
C 36	13.8	81.2	461	10	US-09-867-701-4468	Sequence 4468, Appl
C 37	13.8	81.2	464	10	US-09-983-965-3422	Sequence 3422, Appl
C 38	13.8	81.2	466	10	US-09-216-393-50	Sequence 50, Appl
C 39	13.8	81.2	476	9	US-09-822-846-505	Sequence 505, Appl
C 40	13.8	81.2	539	10	US-09-216-393-52	Sequence 52, Appl
C 41	13.8	81.2	539	9	US-09-975-719-18	Sequence 18, Appl
C 42	13.8	81.2	595	9	US-10-028-072-413	Sequence 413, Appl
C 43	13.8	81.2	595	9	US-10-121-049-413	Sequence 413, Appl
C 44	13.8	81.2	595	9	US-10-123-904-413	Sequence 413, Appl
C 45	13.8	81.2	595	9	US-10-140-470-413	Sequence 413, Appl

ALIGNMENTS

RESULT 1
US-09-764-877-3959/C
Sequence 3959, Application US/09764877
Patent No. US20020147140A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PC005
CURRENT APPLICATION NUMBER: US/09/764,877
CURRENT FILING DATE: 2001-01-17
Prior application data removed - refer to PALM or file wrapper
NUMBER OF SEQ ID NOS: 4031
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3959
LENGTH: 8439
TYPE: DNA
ORGANISM: Homo sapiens
US-09-764-877-3959

Query Match
Best Local Similarity 90.6%; Score 15.4; DB 10; Length 8439;
Matches 16; Conservatively 0; Mismatches 1; Indels 0; Gaps 0;
Db 3827 GGGGGCCTCTGCTGCC 3811
|||||

RESULT 2
US-09-764-877-3960/C
Sequence 3960, Application US/09764877
Patent No. US20020147140A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PC005
CURRENT APPLICATION NUMBER: US/09/764,877
CURRENT FILING DATE: 2001-01-17
Prior application data removed - refer to PALM or file wrapper
NUMBER OF SEQ ID NOS: 4031
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3960

LENGTH: 9875
TYPE: DNA
ORGANISM: Homo sapiens
US-09-764-877-3960

Query Match

Best Local Similarity 90.6%; Score 15.4; DB 10; Length 9875;
Pred. No. 66;

Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGGGCGCTCTGTCGCC 17
|||||

Db 5263 GGGGCGCTCTGTCGCC 5247

RESULT 3

US-09-764-860-1018
Sequence 1018, Application US/09764860
Patent No. US20020094953A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PC008
CURRENT APPLICATION NUMBER: US/09/764,860
CURRENT FILING DATE: 2001-01-17
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 1198
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 1018
LENGTH: 18385
TYPE: DNA
ORGANISM: Homo sapiens
US-09-764-860-1018

Query Match

Best Local Similarity 90.6%; Score 15.4; DB 10; Length 18385;
Pred. No. 66;

Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGGGCGCTCTGTCGCC 17
|||||

Db 3113 GGGGCGCTCTGTCGCC 3129

RESULT 4

US-09-822-830A-147
Sequence 147, Application US/09822830A
Patent No. US20020142952A1
GENERAL INFORMATION:
APPLICANT: Genetics Institute, Inc.
APPLICANT: Wong, Gordon G.
APPLICANT: Clark, Hilary
APPLICANT: Fechtel, Kim
APPLICANT: Agostino, Michael J.
APPLICANT: Howes, Steven H.
APPLICANT: Resnick, Richard J.
APPLICANT: Gulakota, Kamalakari
APPLICANT: Graham, James R.
TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
FILE REFERENCE: GIN 6402
CURRENT APPLICATION NUMBER: US/09/822,830A
CURRENT FILING DATE: 2001-03-29
Prior Application Number: 60/7195,604
Prior Filing Date: 2000-04-06
NUMBER OF SEQ ID NOS: 631
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 147
LENGTH: 1229
TYPE: DNA
ORGANISM: Homo sapiens
US-09-822-830A-147

Query Match

Best Local Similarity 88.2%; Score 15; DB 10; Length 1229;
Pred. No. 1e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGCGCTCTGTCG 15
|||||

Db 770 GGGGCGCTCTGTCG 784

RESULT 5

US-10-042-141-27
Sequence 27, Application US/10042141
Publication No. US20020183503A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: 26 human secreted proteins
FILE REFERENCE: P2040P1
CURRENT APPLICATION NUMBER: US/10/042,141
CURRENT FILING DATE: 2002-01-11
Prior Application Number: 09/726,643
Prior Filing Date: 2000-12-01
Prior Application Number: PCT/US00/15187
Prior Filing Date: 2000-06-02
Prior Application Number: 60/137,725
Prior Filing Date: 1999-06-07
NUMBER OF SEQ ID NOS: 190
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 27
LENGTH: 1257
TYPE: DNA
ORGANISM: Homo sapiens
US-10-042-141-27

Query Match

Best Local Similarity 88.2%; Score 15; DB 9; Length 1257;
Pred. No. 1e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGCGCTCTGTCG 15
|||||

Db 794 GGGGCGCTCTGTCG 808

RESULT 6

US-09-726-643-27
Sequence 27, Application US/09726643
Patent No. US2002028449A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: 26 human secreted proteins
FILE REFERENCE: P2040P1
CURRENT APPLICATION NUMBER: US/09/726,643
CURRENT FILING DATE: 2000-12-01
Prior Application Number: PCT/US00/15187
Prior Filing Date: 2000-06-02
Prior Application Number: 60/137,725
Prior Filing Date: 1999-06-07
NUMBER OF SEQ ID NOS: 190
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 27
LENGTH: 1257
TYPE: DNA
ORGANISM: Homo sapiens
US-09-726-643-27

Query Match

Best Local Similarity 88.2%; Score 15; DB 10; Length 1257;
Pred. No. 1e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGCGCTCTGTCG 15
|||||

Db 794 GGGGCGCTCTGTCG 808

RESULT 7

US-09-910-150-12/C
Sequence 12, Application US/09910150

```
; Patent No. US20020068698A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Meyers, Rachel
; APPLICANT: Rudolph-Owen, Laura
; APPLICANT: Kapeller-Libermann, Rosana
; APPLICANT: Tsai, Fong Ying
; TITLE OF INVENTION: 13237, 18480, 2245 OR 16228 NOVEL HUMAN
; FILE REFERENCE: 38155-20020.00
; CURRENT APPLICATION NUMBER: US/09/910.150
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/219,028
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 2781
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-910-150-12
```

```
Query Match      88.2%; Score 15; DB 10; Length 2781;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      3 GGGCGTCTGCTGTC 17
         |||
Db       718 GGGCGTCTGCTGTC 704
```

```
RESULT 8
US-09-910-150-10/c
; Sequence 10, Application US/09910150
; Patent No. US20020068698A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Meyers, Rachel
; APPLICANT: Rudolph-Owen, Laura
; APPLICANT: Kapeller-Libermann, Rosana
; APPLICANT: Tsai, Fong Ying
; TITLE OF INVENTION: 13237, 18480, 2245 OR 16228 NOVEL HUMAN
; FILE REFERENCE: 38155-20020.00
; CURRENT APPLICATION NUMBER: US/09/910.150
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/219,028
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 3301
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (36)..(2816)
US-09-910-150-10
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Query Match      88.2%; Score 15; DB 10; Length 3301;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      3 GGGCGTCTGCTGTC 17
         |||
Db       753 GGGCGTCTGCTGTC 739
```

```
RESULT 9
US-09-783-590-11632
; Sequence 11632, Application US/09783590
; Patent No. US20020110850A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Dillon, Patrick J.
; APPLICANT: Haseltine, William A.
; APPLICANT: Li, Haodong
; APPLICANT: Rosen, Craig A.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Human Genes, Sequences, and Expression Products 16.2
; FILE REFERENCE: PO-16.2C1
; CURRENT APPLICATION NUMBER: US/09/783,590
; PRIOR FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 08/420,856
; PRIOR FILING DATE: 1995-04-12
; PRIOR APPLICATION NUMBER: 08/346,731
; PRIOR FILING DATE: 1994-11-21
; NUMBER OF SEQ ID NOS: 12485
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11632
; LENGTH: 178
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)
; OTHER INFORMATION: n equals a,l,g, or c
; NAME/KEY: misc feature
; LOCATION: (6)
; OTHER INFORMATION: n equals a,l,g, or c
; NAME/KEY: misc feature
; LOCATION: (24)
; OTHER INFORMATION: n equals a,l,g, or c
; NAME/KEY: misc feature
; LOCATION: (28)
; OTHER INFORMATION: n equals a,l,g, or c
; NAME/KEY: misc feature
; LOCATION: (148)
; OTHER INFORMATION: n equals a,l,g, or c
; NAME/KEY: misc feature
; LOCATION: (152)
; OTHER INFORMATION: n equals a,l,g, or c
; NAME/KEY: misc feature
; LOCATION: (161)
; OTHER INFORMATION: n equals a,l,g, or c
US-09-783-590-11632
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Query Match      84.7%; Score 14.4; DB 10; Length 178;
Best Local Similarity 94.8%; Pred. No. 2.1e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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```
QY      1 GGGCGTCTGCTGTC 16
         |||
Db       112 GGGCGTCTGCTGTC 127
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```
RESULT 10
US-09-796-692-7024/c
; Sequence 7024, Application US/09796692
; Publication No. US20020198362A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THER
; FILE REFERENCE: 2077.001200
; CURRENT APPLICATION NUMBER: US/09/796,692
; PRIOR FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 60/200,303
; PRIOR FILING DATE: 2000-04-28
```

```

; PRIOR APPLICATION NUMBER: 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: 60/223,378
; PRIOR FILING DATE: 2000-08-07
; NUMBER OF SEQ ID NOS: 9597
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7024
; LENGTH: 296
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-796-692-7024
```

```

Query Match          84.7%: Score 14.4; DB 9; Length 296;
Best Local Similarity 93.8%: Pred. No. 2e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
OY      1 GGGCGCTGCTGCTGC 16
         ||||| ||||| |||||
Db       68 GGGGCTTCTGCTGC 53
```

```

RESULT 11
US-09-796-692-3660
; Sequence 3660, Application US/09796692
; Publication No. US20020198362A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY
; TITLE OF INVENTION: HEMATOLOGICAL MALIGNANCIES
; FILE REFERENCE: 2077.001200
; CURRENT APPLICATION NUMBER: US/09/796,692
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: 60/223,378
; PRIOR FILING DATE: 2000-08-07
; NUMBER OF SEQ ID NOS: 9597
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3660
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```

; LENGTH: 301
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-796-692-3660
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```

Query Match          84.7%: Score 14.4; DB 9; Length 301;
Best Local Similarity 93.8%: Pred. No. 2e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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```
OY      1 GGGCGCTGCTGCTGC 16
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Db       234 GGGGCTTCTGCTGC 249
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RESULT 12
US-09-867-701-5064
; Sequence 5064, Application US/09867701
; Patent No. US20020132237A1
; GENERAL INFORMATION:
; APPLICANT: Aglate, Paul A.
; APPLICANT: Jones, Robert
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.497
; CURRENT APPLICATION NUMBER: US/09/867,701
; CURRENT FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 10912
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5064
; LENGTH: 433
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(433)
; OTHER INFORMATION: n = A,T,C or G
US-09-867-701-5064
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```

Query Match          84.7%: Score 14.4; DB 10; Length 433;
Best Local Similarity 93.8%: Pred. No. 2e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
OY      2 GGGCGCTGCTGCTGC 17
         ||||| ||||| |||||
Db       2 GGGCGCTTCTGCTGC 17
```

```

RESULT 13
US-09-822-849A-580/C
; Sequence 580, Application US/09822849A
; Patent No. US20020045170A1
; GENERAL INFORMATION:
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Agostino, Michael J.
; APPLICANT: Howes, Steven H.
; APPLICANT: Resnick, Richard J.
; APPLICANT: Guinkota, Kamalakar
; APPLICANT: Graham, James R.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
; FILE REFERENCE: GIN 6403
; CURRENT APPLICATION NUMBER: US/09/822,849A
; CURRENT FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: 60/195,582
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 598
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 580
; LENGTH: 746
; TYPE: DNA
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ORGANISM: Homo sapiens
US-09-822-849A-580

Query Match 84.7%; Score 14.4; DB 10; Length 746;
Best Local Similarity 93.8%; Pred. No. 2e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 GGGCGCTCCTGGTGC 16
|||||
DB 617 GGGCGCTCCTGGTGC 602

RESULT 14

US-09-954-697-29
Sequence 29, Application US/09954697
Patent No. US20020106631A1
GENERAL INFORMATION:
APPLICANT: Alnemrl, Emad S.
TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USSES
FILE REFERENCE: 480140.431D2
CURRENT APPLICATION NUMBER: US/09/954,697
CURRENT FILING DATE: 2001-09-14
NUMBER OF SEQ ID NOS: 116
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 29
LENGTH: 1252
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(1252)
OTHER INFORMATION: n = A,T,C or G
US-09-954-697-29

Query Match 84.7%; Score 14.4; DB 10; Length 1252;
Best Local Similarity 93.8%; Pred. No. 2e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 2 GGGCGCTCCTGGTGC 17
|||||
DB 659 GGGCGCTCCTGGTGC 674

RESULT 15
US-10-029-180-75
Sequence 75, Application US/10029180
Publication No. US20020182708A1
GENERAL INFORMATION:
APPLICANT: Call, Brian M.
APPLICANT: Holtzman, Doug
APPLICANT: Madden, Kevin T.
APPLICANT: Milna, G. Todd
APPLICANT: Sherman, Amir
APPLICANT: Silva, Jeffry C.
APPLICANT: Trueheart, Josh
TITLE OF INVENTION: NO. US20020182708A1e1 Regulators of Fungal Gene Expression
FILE REFERENCE: MIC-004
CURRENT APPLICATION NUMBER: US/10/029,180
CURRENT FILING DATE: 2001-12-22
PRIOR APPLICATION NUMBER: US 60/257,431
PRIOR FILING DATE: 2000-12-22
NUMBER OF SEQ ID NOS: 138
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 75
LENGTH: 1470
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: fungal gene
US-10-029-180-75

Query Match 84.7%; Score 14.4; DB 9; Length 1470;
Best Local Similarity 93.8%; Pred. No. 2e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 2 GGGCGCTCCTGGTGC 17
|||||
DB 228 GGGCGCTCCTGGTGC 243

Search completed: February 18, 2003, 07:09:24
Job time : 93.8641 secs

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 16:07:27 : Search time 30.5854 Seconds
(without alignments)
210.565 Million cell updates/sec

Title: US-09-362-485-17

Perfect score: 21

Sequence: 1 GACGTCGACCTACGCGCTGAC 21

Scoring table:
IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing:

Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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4: /cgn2.6/ptodata/2/ina/6B.COMB.seq:*
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6: /cgn2.6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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4	15.2	72.4	358	1	US-07-925-920-1
5	15.2	72.4	1023	2	US-08-484-358-6
6	15.2	72.4	1023	3	US-09-118-959-6
7	15.2	72.4	1728	1	US-08-427-097-1
8	15.2	72.4	1728	1	US-08-878-957-1
9	15.2	72.4	1746	1	US-08-427-097-29
10	15.2	72.4	1746	1	US-08-878-957-29
11	15.2	72.4	1752	1	US-08-427-097-13
12	15.2	72.4	1752	1	US-08-427-097-15
13	15.2	72.4	1752	1	US-08-427-097-19
14	15.2	72.4	1752	1	US-08-427-097-27
15	15.2	72.4	1752	2	US-08-878-957-13
16	15.2	72.4	1752	2	US-08-878-957-15
17	15.2	72.4	1752	2	US-08-878-957-19
18	15.2	72.4	1752	2	US-08-878-957-27
19	15.2	72.4	1865	4	US-09-370-253-5
20	15.2	72.4	2109	1	US-08-617-801A-5
21	15.2	72.4	2141	1	US-08-891-254-2
22	15.2	72.4	2141	2	US-08-484-358-1
23	15.2	72.4	2141	2	US-08-819-539-2
24	15.2	72.4	2141	2	US-09-030-270A-2
25	15.2	72.4	2141	3	US-09-118-959-1
26	15.2	72.4	2141	4	US-08-984-207-2
27	15.2	72.4	2141	4	US-09-013-587-2

28	15.2	72.4	2141	5	PCT-US96-08819-2	Sequence 2, Appl1
29	15.2	72.4	2220	2	US-08-617-801A-1	Sequence 1, Appl1
30	15.2	72.4	2245	2	US-08-617-801A-3	Sequence 3, Appl1
31	15.2	72.4	2835	4	US-09-134-001C-1515	Sequence 1515, Ap
32	15.2	72.4	3561	4	US-09-134-001C-1685	Sequence 1685, Ap
33	15.2	72.4	6414	4	US-09-134-001C-1626	Sequence 1626, Ap
34	14.8	70.5	4411529	4	US-09-103-840A-1	Sequence 1, Appl1
35	14.6	69.5	683	4	US-09-221-017B-814	Sequence 814, App
36	14.6	69.5	1254	1	US-08-313-553-1	Sequence 1, Appl1
37	14.6	69.5	1254	3	US-08-767-993-1	Sequence 1, Appl1
38	14.6	69.5	1268	2	US-08-403-852D-2	Sequence 2, Appl1
39	14.6	69.5	1268	3	US-08-510-646B-2	Sequence 2, Appl1
40	14.6	69.5	1268	4	US-09-231-818-2	Sequence 2, Appl1
41	14.6	69.5	1632	1	US-08-362-232-1	Sequence 1, Appl1
42	14.6	69.5	1632	1	US-08-814-196-1	Sequence 1, Appl1
43	14.6	69.5	2147	1	US-08-313-553-14	Sequence 14, Appl
44	14.6	69.5	2147	3	US-08-767-993-14	Sequence 14, Appl
45	14.6	69.5	4810	4	US-09-596-824-5	Sequence 5, Appl1

ALIGNMENTS

RESULT 1
US-09-103-840A-2
Sequence 2, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTNER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
FILE REFERENCE: 24366-20007.00
CURRENT APPLICATION NUMBER: US/09/103.840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 4403765
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
OTHER INFORMATION: CPC 1551
OTHER INFORMATION: "n" bases at various positions throughout the sequence
US-09-103-840A-2

Query Match 100.0%; Score 21; DB 4; Length 4403765;
Best Local Similarity 100.0%; Pred. No. 0.17;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GACGTCGACCTACGCGCTGAC 21
DB 3082420 GACGTCGACCTACGCGCTGAC 3082440

RESULT 2
US-07-661-610C-7/c
Sequence 7, Application US/07661610C
Patent No. 5292643
GENERAL INFORMATION:
APPLICANT: Shibano, Yuji
APPLICANT: Toyoda, Hideyoshi
APPLICANT: Utsunji, Ryutaro
APPLICANT: Ohtani, Kazuaki
TITLE OF INVENTION: Fusaric Acid Resistant Genes
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MATER & NEUSTADT,
ADDRESS: P.C.
STREET: 1755 Jefferson Davis Highway, Fourth Floor

CITY: Arlington
STATE: Virginia
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/661,610C
FILING DATE: 19910228
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Oblon, No. 5292643man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 2292-010-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)521-4500
TELEFAX: (703)486-2347
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 3606 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 385..813
FEATURE:
NAME/KEY: CDS
LOCATION: 1382..2083
FEATURE:
NAME/KEY: CDS
LOCATION: 2591..3011
US-07-661-610C-7
Query Match 80.0%; Score 16.8; DB 1; Length 3606;
Best Local Similarity 90.0%; Pred. No. 18;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 GACGTGACCTAGCGGCTGA 20
DB 2803 GACGTGCGCCTGCGGCTGA 2784
RESULT 3
US-08-324-003A-14/C
Sequence 14, Application US/08324003A
Patent No. 5977438
GENERAL INFORMATION:
APPLICANT: Turpen, Thomas H.
APPLICANT: Reinl, Stephen
TITLE OF INVENTION: Production of Peptides in Plants as
TITLE OF INVENTION: Viral Coat Protein Fusions
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/324,003A
FILING DATE: 14-OCT-1994

CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Halluin, Albert P.
REGISTRATION NUMBER: 25,227
REFERENCE/DOCKET NUMBER: 8129-087
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-854-3660
TELEFAX: 415-854-3694
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 33 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
US-08-324-003A-14
Query Match 72.4%; Score 15.2; DB 2; Length 33;
Best Local Similarity 85.0%; Pred. No. 1,2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 2 ACCTGACCTAGCGGCTGAC 21
DB 33 ACCTGACCTAGCTGATGAC 14
RESULT 4
US-07-925-920-1
Sequence 1, Application US/07925920
Patent No. 5328998
GENERAL INFORMATION:
APPLICANT: Labes, Gabrielle
APPLICANT: Mohleben, Wolfgang
TITLE OF INVENTION: A Promoter Screening Vector, and the Isolation
TITLE OF INVENTION: Streptomycetes Promoters Found Therewith, and the Isolation
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Flinnegan, Henderson, Farabow, Garrett &
STREET: 1300 I Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/925,920
FILING DATE: 19920807
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE P 41 26 415.0
FILING DATE: 09-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Madler, Linda A.
REGISTRATION NUMBER: 33,218
REFERENCE/DOCKET NUMBER: 02481-1213-00000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4400
TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 358 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-07-925-920-1

Query Match 72.4%; Score 15.2; DB 1; Length 358;
Best Local Similarity 85.0%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 2 ACGTCGACCTACGGCTGAC 21
11111111111111111111
Db 136 ACGTACGACCTACGGCTTGC 155

RESULT 5

US-08-484-358-6
Sequence 6, Application US/08484358
Patent No. 5850015
GENERAL INFORMATION:
APPLICANT: Bauer, David
APPLICANT: Collier, Alan
TITLE OF INVENTION: Hypersensitive Response Elicitor
TITLE OF INVENTION: From
TITLE OF INVENTION: Erwinia Chrysanthemi
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Nixon, Hargrave, Devans & Doyle
STREET: Clinton Square
CITY: Rochester
STATE: New York
COUNTRY: U.S.A.
ZIP: 14603
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,358
FILING DATE:
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Goldman, Michael L.
REGISTRATION NUMBER: 30,727
REFERENCE/DOCKET NUMBER: 19603/840
TELECOMMUNICATION INFORMATION:
TELEPHONE: 716-263-1304
TELEFAX: 716-263-1304
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 1023 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-484-358-6

Query Match 72.4%; Score 15.2; DB 2; Length 1023;
Best Local Similarity 85.0%; Pred. No. 1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 2 ACGTCGACCTACGGCTGAC 21
11111111111111111111
Db 142 AAGTGGACCTCGCGCTGAC 161

RESULT 6
US-09-118-959-6
Sequence 6, Application US/09118959
Patent No. 6001959
GENERAL INFORMATION:
APPLICANT: Bauer, David
APPLICANT: Collier, Alan
TITLE OF INVENTION: Hypersensitive Response Elicitor From
TITLE OF INVENTION: Erwinia Chrysanthemi
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:

ADDRESSEE: Nixon, Hargrave, Devans & Doyle
STREET: Clinton Square
CITY: Rochester
STATE: New York
COUNTRY: U.S.A.
ZIP: 14603
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/118,959
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Goldman, Michael L.
REGISTRATION NUMBER: 30,727
REFERENCE/DOCKET NUMBER: 19603/840
TELECOMMUNICATION INFORMATION:
TELEPHONE: 716-263-1304
TELEFAX: 716-263-1600
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 1023 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-118-959-6

Query Match 72.4%; Score 15.2; DB 3; Length 1023;
Best Local Similarity 85.0%; Pred. No. 1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 2 ACGTCGACCTACGGCTGAC 21
11111111111111111111
Db 142 AAGTGGACCTCGCGCTGAC 161

RESULT 7

US-08-427-097-1
Sequence 1, Application US/08427097
Patent No. 566294
GENERAL INFORMATION:
APPLICANT: Meagher, Richard B.
APPLICANT: Sommers, Anne O.
TITLE OF INVENTION: Metal Resistance Sequences and
TITLE OF INVENTION: Transgenic Plants
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Greenlee, Winner and Sullivan, P.C.
STREET: 5370 Manhattan Circle, Suite 201
CITY: Boulder
STATE: CO
COUNTRY: US
ZIP: 80303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/427,097
FILING DATE: 21-APR-1995
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Ferber, Donna M.
REGISTRATION NUMBER: 33,878
REFERENCE/DOCKET NUMBER: 40-94
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 499-8080
TELEFAX: (303) 499-8089

```

; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 1728 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: linear
;   MOLECULE TYPE: DNA (genomic)
;   HYPOTHETICAL: NO
;   ANTI-SENSE: NO
;   FEATURE:
;     NAME/KEY: CDS
;     LOCATION: 14..1708
;   US-08-427-097-1

Query Match          72.4%; Score 15.2; DB 1; Length 1728;
Best Local Similarity 85.0%; Pred. No. 1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY      2  ACCTGCACCTAGCGCTGAC 21
        |||||  || |||||
Db      155  ACCTCACCACGCGCGCTGAC 174

RESULT 8
US-08-878-957-1
; Sequence 1, Application US/08878957
; Patent No. 5965796
; GENERAL INFORMATION:
; APPLICANT: Meagher, Richard B.
; APPLICANT: Summers, Anne O.
; APPLICANT: Rugh, Clayton L.
; TITLE OF INVENTION: Metal Resistance Sequences and
;   NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Greenlee, Winner and Sullivan, P.C.
; STREET: 5370 Manhattan Circle, Suite 201
; CITY: Boulder
; STATE: Colorado
; COUNTRY: US
; ZIP: 80303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/878,957
; FILING DATE: 19-JUN-1997
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/427,097
; FILING DATE: 21-APR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferber, Donna M.
; REGISTRATION NUMBER: 33,878
; REFERENCE/DOCKET NUMBER: 40-94A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (303) 499-8080
; TELEFAX: (303) 499-8089
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 1728 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: linear
;   MOLECULE TYPE: DNA (genomic)
;   HYPOTHETICAL: NO
;   ANTI-SENSE: NO
;   FEATURE:
;     NAME/KEY: CDS
;     LOCATION: 14..1708
;   US-08-878-957-1
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US-08-878-957-1

Query Match          72.4%; Score 15.2; DB 2; Length 1728;
Best Local Similarity 85.0%; Pred. No. 1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY      2  ACCTGCACCTAGCGCTGAC 21
        |||||  || |||||
Db      155  ACCTCACCACGCGCGCTGAC 174

RESULT 9
US-08-427-097-29
; Sequence 29, Application US/08427097
; Patent No. 5668294
; GENERAL INFORMATION:
; APPLICANT: Meagher, Richard B.
; APPLICANT: Summers, Anne O.
; APPLICANT: Rugh, Clayton L.
; TITLE OF INVENTION: Metal Resistance Sequences and
;   NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Greenlee, Winner and Sullivan, P.C.
; STREET: 5370 Manhattan Circle, Suite 201
; CITY: Boulder
; STATE: CO
; COUNTRY: US
; ZIP: 80303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/427,097
; FILING DATE: 21-APR-1995
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferber, Donna M.
; REGISTRATION NUMBER: 33,878
; REFERENCE/DOCKET NUMBER: 40-94
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (303) 499-8080
; TELEFAX: (303) 499-8089
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 1746 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: not relevant
;   MOLECULE TYPE: other nucleic acid
;   DESCRIPTION: /desc = "Mutagenized merApe29"
;   HYPOTHETICAL: NO
;   FEATURE:
;     NAME/KEY: CDS
;     LOCATION: 40..1728
;     NAME/KEY: mat_peptide
;     LOCATION: 40..1725
;   US-08-427-097-29

Query Match          72.4%; Score 15.2; DB 1; Length 1746;
Best Local Similarity 85.0%; Pred. No. 1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY      2  ACCTGCACCTAGCGCTGAC 21
        |||||  || |||||
Db      181  ACCTCACCACGCGCGCTGAC 200

RESULT 10
US-08-878-957-29
; Sequence 29, Application US/08878957
```


Patent No. 5965796
GENERAL INFORMATION:
APPLICANT: Meagher, Richard B.
APPLICANT: Summers, Anne O.
APPLICANT: Rugh, Clayton L.
TITLE OF INVENTION: Metal Resistance Sequences and
TITLE OF INVENTION: Transgenic Plants
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Greenlee, Winner and Sullivan, P.C.
STREET: 5370 Manhattan Circle, Suite 201
CITY: Boulder
STATE: Colorado
COUNTRY: US
ZIP: 80303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/878,957
FILING DATE: 19-JUN-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/427,097
FILING DATE: 21-APR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Ferber, Donna M.
REGISTRATION NUMBER: 33,878
REFERENCE/DOCKET NUMBER: 40-94A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 499-8080
TELEFAX: (303) 499-8089
TELEX:
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 1746 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: not relevant
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "Mutagenized merApe29"
FEATURE:
NAME/KEY: CDS
LOCATION: 40..1728
FEATURE: NAME/KEY: mat_peptide
LOCATION: 40..1725
US-08-878-957-29
Query Match 72.4%: Score 15.2; DB 2; Length 1746;
Best Local Similarity 85.0%; Pred. No. 1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 ACGTCGACCTACGGCTGAC 21
||||| 11 |||||
Db 181 ACGTCACCGACGCGCTGAC 200

RESULT 11
US-08-427-097-13
Sequence 13, Application US/08427097
Patent No. 5668294
GENERAL INFORMATION:
APPLICANT: Meagher, Richard B.
APPLICANT: Summers, Anne O.
TITLE OF INVENTION: Metal Resistance Sequences and
TITLE OF INVENTION: Transgenic Plants
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Greenlee, Winner and Sullivan, P.C.
STREET: 5370 Manhattan Circle, Suite 201
CITY: Boulder
STATE: CO
COUNTRY: US
ZIP: 80303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/427,097
FILING DATE: 21-APR-1995
CLASSIFICATION: 800

STREET: 5370 Manhattan Circle, Suite 201
CITY: Boulder
STATE: CO
COUNTRY: US
ZIP: 80303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/427,097
FILING DATE: 21-APR-1995
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Ferber, Donna M.
REGISTRATION NUMBER: 33,878
REFERENCE/DOCKET NUMBER: 40-94
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 499-8080
TELEFAX: (303) 499-8089
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 1752 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: not relevant
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "Mutagenized merApe38"
FEATURE:
NAME/KEY: CDS
LOCATION: 40..1734
FEATURE: NAME/KEY: mat_peptide
LOCATION: 40..1731
US-08-427-097-13
Query Match 72.4%: Score 15.2; DB 1; Length 1752;
Best Local Similarity 85.0%; Pred. No. 1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 ACGTCGACCTACGGCTGAC 21
||||| 11 |||||
Db 181 ACGTCACCGACGCGCTGAC 200

RESULT 12
US-08-427-097-15
Sequence 15, Application US/08427097
Patent No. 5668294
GENERAL INFORMATION:
APPLICANT: Meagher, Richard B.
APPLICANT: Summers, Anne O.
TITLE OF INVENTION: Metal Resistance Sequences and
TITLE OF INVENTION: Transgenic Plants
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Greenlee, Winner and Sullivan, P.C.
STREET: 5370 Manhattan Circle, Suite 201
CITY: Boulder
STATE: CO
COUNTRY: US
ZIP: 80303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/427,097
FILING DATE: 21-APR-1995
CLASSIFICATION: 800

ATTORNEY/AGENT INFORMATION:
NAME: Ferber, Donna M.
REGISTRATION NUMBER: 33,878
REFERENCE/DOCKET NUMBER: 40-94
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 499-8080
TELEFAX: (303) 499-8089
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 1752 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: not relevant
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "Mutagenized merApe9"
HYPOTHETICAL: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 40..1734
NAME/KEY: mat_peptide
LOCATION: 40..1731
US-08-427-097-15

Query Match 72.4%; Score 15.2; DB 1; Length 1752;
Best Local Similarity 85.0%; Pred. No. 1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 ACCTGACCTACCGCGTGAC 21
||||| 11 1111111111
Db 181 ACCTCACCCGACGCGCTGAC 200

RESULT 13
US-08-427-097-19
Sequence 19, Application US/08427097
Patent No. 5668294
GENERAL INFORMATION:
APPLICANT: Meagher, Richard B.
APPLICANT: Sommers, Anne O.
TITLE OF INVENTION: Metal Resistance Sequences and
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Greenlee, Winner and Sullivan, P.C.
STREET: 5370 Manhattan Circle, Suite 201
CITY: Boulder
STATE: CO
COUNTRY: US
ZIP: 80303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/427,097
FILING DATE: 21-Apr-1995
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Ferber, Donna M.
REGISTRATION NUMBER: 33,878
REFERENCE/DOCKET NUMBER: 40-94
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 499-8080
TELEFAX: (303) 499-8089
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 1752 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: not relevant
MOLECULE TYPE: other nucleic acid

DESCRIPTION: /desc = "Mutagenized merApe47"
HYPOTHETICAL: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 40..1734
NAME/KEY: mat_peptide
LOCATION: 40..1731
US-08-427-097-19

Query Match 72.4%; Score 15.2; DB 1; Length 1752;
Best Local Similarity 85.0%; Pred. No. 1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 ACCTGACCTACCGCGTGAC 21
||||| 11 1111111111
Db 181 ACCTCACCCGACGCGCTGAC 200

RESULT 14
US-08-427-097-27
Sequence 27, Application US/08427097
Patent No. 5668294
GENERAL INFORMATION:
APPLICANT: Meagher, Richard B.
APPLICANT: Sommers, Anne O.
TITLE OF INVENTION: Metal Resistance Sequences and
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Greenlee, Winner and Sullivan, P.C.
STREET: 5370 Manhattan Circle, Suite 201
CITY: Boulder
STATE: CO
COUNTRY: US
ZIP: 80303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/427,097
FILING DATE: 21-Apr-1995
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Ferber, Donna M.
REGISTRATION NUMBER: 33,878
REFERENCE/DOCKET NUMBER: 40-94
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 499-8080
TELEFAX: (303) 499-8089
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 1752 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: not relevant
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "Mutagenized merApe20"
HYPOTHETICAL: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 40..1734
NAME/KEY: mat_peptide
LOCATION: 40..1731
US-08-427-097-27

Query Match 72.4%; Score 15.2; DB 1; Length 1752;
Best Local Similarity 85.0%; Pred. No. 1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 2 ACGTCGACCTACGCGCTGAC 21
11111 11 111111111
Db 181 ACGTCACCGACGCGCTGAC 200

RESULT 15

US-08-878-957-13
; Sequence 13, Application US/08878957
; Patent No. 5965796
; GENERAL INFORMATION:
; APPLICANT: Meagher, Richard B.
; APPLICANT: Summers, Anne O.
; APPLICANT: Rugh, Clayton L.
; TITLE OF INVENTION: Metal Resistance Sequences and
; TITLE OF INVENTION: Transgenic Plants
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Greenlee, Winner and Sullivan, P.C.
; STREET: 5370 Manhattan Circle, Suite 201
; CITY: Boulder
; STATE: Colorado
; COUNTRY: US
; ZIP: 80303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/878,957
; FILING DATE: 19-JUN-1997
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/427,097
; FILING DATE: 21-APR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Felder, Donna M.
; REGISTRATION NUMBER: 33,878
; REFERENCE/DOCKET NUMBER: 40-94A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (303) 499-8080
; TELEFAX: (303) 499-8089
; TELEX:
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1752 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: not relevant
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "Mutagenized merApe38"
; HYPOTHETICAL: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 40..1734
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 40..1731
; US-08-878-957-13

Query Match 72.4%; Score 15.2; DB 2; Length 1752;
Best Local Similarity 85.0%; Pred. No.1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
OY 2 ACGTCGACCTACGCGCTGAC 21
11111 11 111111111
Db 181 ACGTCACCGACGCGCTGAC 200

Search completed: February 17, 2003, 23:39:11
Job time : 1037.59 secs

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 21:30:48 : Search time 112.244 Seconds
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Title: US-09-362-485-17

Sequence: 1 GAGCTGACCTACGCGCTGAC 21

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Gapop 10.0, Gapext 1.0

Searched: 424239 seqs, 254661826 residues

Total number of hits satisfying chosen parameters: 848478

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- 12: /cgn2-6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2-6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 14: /cgn2-6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	16.2	77.1	2535 9 US-09-738-626-847	Sequence 847, Ap
3	15.2	72.4	33 10 US-09-823-936-23	Sequence 23, Appl
4	15.2	72.4	33 10 US-09-753-836-14	Sequence 14, Appl
5	15.2	72.4	309 10 US-09-867-550-383	Sequence 383, App
6	15.2	72.4	783 10 US-09-910-943-139	Sequence 139, App
7	15.2	72.4	1542 10 US-09-815-242-7726	Sequence 7726, Ap
8	15.2	72.4	1866 9 US-09-738-626-2199	Sequence 2199, Ap
9	15.2	72.4	2141 9 US-10-034-158-2	Sequence 2, Appli
10	15.2	72.4	2141 10 US-09-086-118-22	Sequence 22, Appl
11	15.2	72.4	2141 10 US-09-835-684-2	Sequence 2, Appli
12	15.2	72.4	2141 10 US-09-880-371-2	Sequence 2, Appli
13	15.2	72.4	2141 10 US-09-879-248-2	Sequence 2, Appli
14	15.2	72.4	2141 10 US-09-770-693-2	Sequence 2, Appli
15	15.2	72.4	2141 10 US-09-766-348-2	Sequence 2, Appli
16	15.2	72.4	3951 9 US-09-712-363-31	Sequence 31, Appl
17	14.8	70.5	2331 10 US-09-815-242-4037	Sequence 4037, Ap
18	14.6	69.5	66 10 US-09-998-598-1447	Sequence 1447, Ap
19	14.6	69.5	234 10 US-09-878-574-11478	Sequence 11478, A

20	14.6	69.5	257 10 US-09-960-352-13331	Sequence 13331, A
21	14.6	69.5	260 10 US-09-878-574-7550	Sequence 7550, Ap
22	14.6	69.5	264 10 US-09-878-574-13327	Sequence 13327, A
23	14.6	69.5	267 10 US-09-878-574-12531	Sequence 12531, A
24	14.6	69.5	269 10 US-09-878-574-11852	Sequence 11852, A
25	14.6	69.5	331 10 US-09-867-550-91	Sequence 91, Appl
26	14.6	69.5	477 10 US-09-998-598-654	Sequence 654, Appl
27	14.6	69.5	714 9 US-09-738-626-2482	Sequence 2482, Ap
28	14.6	69.5	807 10 US-09-815-242-7959	Sequence 7959, Ap
29	14.6	69.5	833 12 US-10-044-090-399	Sequence 21, Appl
30	14.6	69.5	875 10 US-09-903-814-21	Sequence 268, App
31	14.6	69.5	1534 12 US-10-044-090-268	Sequence 2481, Ap
32	14.6	69.5	1560 9 US-09-738-626-2481	Sequence 6094, Ap
33	14.6	69.5	1773 10 US-09-815-242-6094	Sequence 5, Appli
34	14.6	69.5	4810 10 US-09-885-329-5	Sequence 1, Appli
35	14.6	69.5	15872 9 US-09-860-846-1	Sequence 1, Appli
36	14.6	69.5	15872 10 US-09-861-289-1	Sequence 142, App
37	14.4	68.6	912 10 US-09-764-853-142	Sequence 7597, App
38	14.2	67.6	150 10 US-09-867-701-7597	Sequence 429, App
39	14.2	67.6	365 10 US-09-960-352-429	Sequence 179, App
40	14.2	67.6	496 10 US-09-864-864-179	Sequence 13, Appl
41	14.2	67.6	1065 10 US-09-999-162-13	Sequence 1, Appli
42	14.2	67.6	1287 12 US-10-029-715-1	Sequence 166, App
43	14.2	67.6	16950 9 US-10-114-170-166	Sequence 11576, A
44	13.8	65.7	109 10 US-09-878-574-11576	Sequence 5725, Ap
45	13.8	65.7	264 10 US-09-878-574-5725	

ALIGNMENTS

RESULT 1
US-09-294-093B-4142
Sequence 4142, Application US/09294093B
Patent No. US20010051335A1
GENERAL INFORMATION:
APPLICANT: Lalagudi, Radhimuth, V.
APPLICANT: Ito, Laura, Y.
APPLICANT: Sherman, Bradley, K.
TITLE OR INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN TASSEL
FILE REFERENCE: PL-0009 US
CURRENT APPLICATION NUMBER: US/09/294,093B
PRIOR FILING DATE: 1999-04-16
CURRENT APPLICATION NUMBER: 60/082,567
PRIOR FILING DATE: April 21, 1998
NUMBER OF SEQ ID NOS: 6207
SOFTWARE: PERL Program
SEQ ID NO 4142
LENGTH: 287
TYPE: DNA
ORGANISM: Zea mays
FEATURE:
NAME/KEY: misc.feature
OTHER INFORMATION: incyte ID No. US20010051335A1 700353188H1
LOCATION: 27, 282
OTHER INFORMATION: a, t, c, g, or other
US-09-294-093B-4142
Query Match
Best Local Similarity 87.6%: Score 18.4: DB 10: Length 287:
Matches 19: Conservative 95.0%: Pred. No. 2.6: Indels 0: Gaps 0:
Matches 19: Conservative 0: Mismatches 1: Indels 0: Gaps 0:
OY 2 ACCTGACCTACGCGCTGAC 21
Db 108 AGCTGACCTACGCGCTGAC 127
RESULT 2
US-09-738-626-847/c
Sequence 847, Application US/09738626
Publication No. US20020197605A1
GENERAL INFORMATION:

```
APPLICANT: NAKAGAWA, SATOSHI
APPLICANT: MIZOGUCHI, HIROSHI
APPLICANT: ANDO, SEIKO
APPLICANT: HAYASHI, MIKIRO
APPLICANT: OCHIAI, KEIKO
APPLICANT: YOKOI, HARUHIKO
APPLICANT: TATEISHI, NAOKO
APPLICANT: SENOH, AKIHIRO
APPLICANT: IKEDA, MASATO
APPLICANT: OZAKI, AKIO
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERENCE: 249-125
CURRENT APPLICATION NUMBER: US/09/738,626
PRIORITY FILING DATE: 2000-12-18
PRIORITY FILING DATE: 1999-12-16 JP 99/377484
PRIORITY FILING DATE: 2000-04-07 JP 00/159162
PRIORITY FILING DATE: 2000-04-07 JP 00/280988
PRIORITY FILING DATE: 2000-08-03
NUMBER OF SEQ. ID NOS: 7059
SOFTWARE: PatentIn ver. 3.0
SEQ ID NO 847
LENGTH: 2535
TYPE: DNA
ORGANISM: Corynebacterium glutamicum
US-09-738-626-847

Query Match 77.1% Score 16.2; DB 9; Length 2535;
Best Local Similarity 85.7% Pred. No. 24;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 1 GAGTCGACCTACGCGCTGAC 21
DB 2055 GCCGTCGACGTATGCCGTGAC 2035

RESULT 3
US-09-823-936-23/C
Sequence 23, Application US/09823936
Patent No. US20020061309A1
GENERAL INFORMATION:
APPLICANT: GARGER, Stephen J.
APPLICANT: GROSS, Cynthia
APPLICANT: LINDBO, John A.
APPLICANT: POGUE, Gregory P.
TITLE OF INVENTION: PRODUCTION OF PEPTIDES IN PLANTS AS
FILE REFERENCE: 008010087CPUS05
CURRENT APPLICATION NUMBER: US/09/823,936
PRIORITY FILING DATE: 2001-03-29
PRIORITY FILING DATE: 2000-03-08
NUMBER OF SEQ. ID NOS: 55
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 23
LENGTH: 33
TYPE: DNA
ORGANISM: Tobacco mosaic virus
US-09-823-936-23

Query Match 72.4% Score 15.2; DB 10; Length 33;
Best Local Similarity 85.0% Pred. No. 11e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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DB 33 ACCTGACCTACGCGATGAC 14

RESULT 4
US-09-755-836-14/C
Sequence 14, Application US/09755836
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Patent No. US20020107387A1
GENERAL INFORMATION:
APPLICANT: Turpen, Thomas H.
Reinl, Stephen
Grill, Laurence K.
TITLE OF INVENTION: Production of peptides in plants as
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/755,836
FILING DATE: 05-Jan-2001
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/324,003
FILING DATE: 14-Oct-1994
ATTORNEY/AGENT INFORMATION:
NAME: Halluin, Albert P.
REGISTRATION NUMBER: 25,227
REFERENCE/DOCKET NUMBER: 8129-087
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-854-3660
TELEFAX: 415-854-3694
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 33 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-755-836-14

Query Match 72.4% Score 15.2; DB 10; Length 33;
Best Local Similarity 85.0% Pred. No. 11e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 2 ACCTGACCTACGCGCTGAC 21
DB 33 ACCTGACCTACGCGATGAC 14

RESULT 5
US-09-867-550-383
Sequence 383, Application US/09867550
Patent No. US20020082206A1
GENERAL INFORMATION:
APPLICANT: Leach, Martin D.
APPLICANT: Mehrabian, Fazel
APPLICANT: Conley, Pamela
APPLICANT: Law, Debbie
APPLICANT: Topper, James
TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells a
FILE REFERENCE: 21402-013 (Cura-313)
CURRENT APPLICATION NUMBER: US/09/867,550
PRIORITY FILING DATE: 2001-09-20
PRIORITY FILING DATE: 2000-05-30
NUMBER OF SEQ. ID NOS: 2125
SOFTWARE: FastSeq for Windows Version 4.0
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SEQ ID NO 383
LENGTH: 309
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(283)
OTHER INFORMATION: wherein any n is one of a or t or g or c
US-09-867-550-383
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Query Match          72.4%; Score 15.2; DB 10; Length 309;
Best Local Similarity 85.0%; Pred. No. 87;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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DB       73  ACGTCGACGATGCGTTGAC 92
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RESULT 6

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US-09-910-943-139/c
Sequence 139, Application US/09910943
Patent No. US20020081610A1
GENERAL INFORMATION:
APPLICANT: Hemmati-Briyvanlou, Ali
APPLICANT: Altman, Curtis
TITLE OF INVENTION: Assays and Materials for Embryonic Gene Expression
FILE REFERENCE: 7529/1G1480S1
CURRENT APPLICATION NUMBER: US/09/910,943
CURRENT FILING DATE: 2001-07-23
NUMBER OF SEQ ID NOS: 742
SOFTWARE: PatentIn version 3.1
SEQ ID NO 139
LENGTH: 783
TYPE: DNA
ORGANISM: Xenopus laevis
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(783)
OTHER INFORMATION: n may be a or g or c or t/u
US-09-910-943-139
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Query Match          72.4%; Score 15.2; DB 10; Length 783;
Best Local Similarity 85.0%; Pred. No. 80;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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QY      1  GACGTCGACCTAGCGCGTGA 20
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DB       222  GACGTCGACATCTCGCTGA 203
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RESULT 7

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US-09-815-242-7726
Sequence 7726, Application US/09815242
Patent No. US20020061569A1
GENERAL INFORMATION:
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Karl L.
APPLICANT: Zyskind, Judith W.
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John D.
APPLICANT: Carr, Grant J.
APPLICANT: Yamamoto, Robert T.
APPLICANT: Xu, H. Howard
TITLE OF INVENTION: Identification of Essential Genes in
FILE REFERENCE: ELITRA.011A
CURRENT APPLICATION NUMBER: US/09/815,242
CURRENT FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
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PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
NUMBER OF SEQ ID NOS: 14110
SOFTWARE: PastSeq for Windows Version 4.0
SEQ ID NO 7726
LENGTH: 1542
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(1542)
US-09-815-242-7726
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Query Match          72.4%; Score 15.2; DB 10; Length 1542;
Best Local Similarity 85.0%; Pred. No. 75;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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DB       624  GCGGTGACCTAGCGCGTGA 643
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RESULT 8

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US-09-738-626-2199
Sequence 2199, Application US/09738626
Publication No. US20020197605A1
GENERAL INFORMATION:
APPLICANT: NAKAGAWA, SATOSHI
APPLICANT: MIZOGUCHI, HIROSHI
APPLICANT: ANDO, SEIKO
APPLICANT: HATASHI, MIKIRO
APPLICANT: OCHIAI, KEIKO
APPLICANT: YOKOI, HARUHIKO
APPLICANT: TATEISHI, NAOKO
APPLICANT: SENO, AKIHITO
APPLICANT: IKEDA, MASATU
APPLICANT: OZAKI, AKIO
TITLE OF INVENTION: NOVEL POLYMERIZATION
FILE REFERENCE: 249-125
CURRENT APPLICATION NUMBER: US/09/738,626
CURRENT FILING DATE: 2000-12-18
PRIOR APPLICATION NUMBER: JP 99/377484
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: JP 00/159162
PRIOR FILING DATE: 2000-04-07
PRIOR APPLICATION NUMBER: JP 00/280988
PRIOR FILING DATE: 2000-08-03
NUMBER OF SEQ ID NOS: 7059
SOFTWARE: PatentIn ver. 3.0
SEQ ID NO 2199
LENGTH: 1866
TYPE: DNA
ORGANISM: Corynebacterium glutamicum
US-09-738-626-2199
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Query Match          72.4%; Score 15.2; DB 9; Length 1866;
Best Local Similarity 85.0%; Pred. No. 74;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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QY      1  GACGTCGACCTAGCGCGTGA 20
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DB       955  GCGGTGACCTAGCGCGTGA 974
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RESULT 9

GenCore version 5.1.3
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 16:07:27 : Search time 26.216 Seconds
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Title: US-09-362-485-18

Perfect score: 18

Sequence: 1 CTCGGTGAACGGACCCC 18

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Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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Pred. NO. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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C 2	18	100.0	4411529	4 US-09-103-840A-1	Sequence 1, Appli
C 3	14.8	82.2	24	1 US-08-557-139-13	Sequence 13, Appli
C 4	14.8	82.2	6152	1 US-08-557-139-1	Sequence 1, Appli
C 5	14.8	82.2	15664	1 US-08-402-282-3	Sequence 3, Appli
C 6	14.8	82.2	15664	1 US-08-508-004-3	Sequence 3, Appli
C 7	14.8	82.2	15664	1 US-08-402-066-3	Sequence 3, Appli
C 8	14.8	82.2	15664	1 US-08-402-068-3	Sequence 3, Appli
C 9	14.8	82.2	4403765	4 US-09-103-840A-2	Sequence 2, Appli
C 10	14.4	80.0	824	4 US-09-221-017B-853	Sequence 853, App
C 11	14	77.8	345	4 US-08-651-155B-119	Sequence 119, App
C 12	14	77.8	1195	4 US-09-072-596-336	Sequence 336, App
C 13	13.8	76.7	181	2 US-08-485-657A-19	Sequence 19, Appli
C 14	13.8	76.7	181	2 US-08-485-657A-18	Sequence 18, Appli
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C 19	13.8	76.7	1125	4 US-09-104-382-25	Sequence 25, Appli
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C 27	13.8	76.7	1648	4 US-09-659-791A-3	Sequence 3, Appli

C 28	13.8	76.7	1931	4 US-09-118-442-10	Sequence 10, Appli
C 29	13.8	76.7	1931	4 US-09-677-064-10	Sequence 10, Appli
C 30	13.8	76.7	2081	2 US-09-096-982-7	Sequence 7, Appli
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C 33	13.8	76.7	3013	2 US-08-653-650A-6	Sequence 6, Appli
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C 37	13.8	76.7	3546	4 US-09-118-442-15	Sequence 15, Appli
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C 42	13.8	76.7	20235	4 US-08-804-227C-1	Sequence 1, Appli
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C 45	13.4	74.4	1839	4 US-09-203-895-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-09-103-840A-2/c
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
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US-09-103-840A-2
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Best Local Similarity 100.0%; Pred. No. 1.7;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
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US-09-103-840A-1

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Best Local Similarity 100.0%; Pred. No. 1.7;
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; Sequence 13, Application US/08557139
; Patent No. 5827730
; GENERAL INFORMATION:
; APPLICANT: Pedersen, Oluf
; APPLICANT: Bjorbak, Christian
; APPLICANT: Frederiksen, Kathrine A.
; TITLE OF INVENTION: MUTANT DNA ENCODING INSULIN RECEPTOR
; TITLE OF INVENTION: SUBSTRATE 1
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 58277300 No. 5827730disk of No. 5827730th America
; STREET: 405 Lexington Avenue
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10174
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/557,139
; FILING DATE: 12-FEB-1996
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Lambiris, Elias J.
; REGISTRATION NUMBER: 33,728
; REFERENCE/DOCKET NUMBER: 4041.204-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 867-0123
; TELEFAX: (212) 878-9655
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-557-139-13

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Best Local Similarity 88.9%; Pred. No. 41;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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RESULT 4
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; Sequence 1, Application US/08557139
; Patent No. 5827730
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; GENERAL INFORMATION:
; APPLICANT: Pedersen, Oluf
; APPLICANT: Bjorbak, Christian
; APPLICANT: Frederiksen, Kathrine A.
; TITLE OF INVENTION: MUTANT DNA ENCODING INSULIN RECEPTOR
; TITLE OF INVENTION: SUBSTRATE 1
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 58277300 No. 5827730disk of No. 5827730th America
; STREET: 405 Lexington Avenue
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10174
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/557,139
; FILING DATE: 12-FEB-1996
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Lambiris, Elias J.
; REGISTRATION NUMBER: 33,728
; REFERENCE/DOCKET NUMBER: 4041.204-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 867-0123
; TELEFAX: (212) 878-9655
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6152 base pairs
; TYPE: nucleic acid
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; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
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US-08-557-139-1

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DB 1603 CTCGGTGAACGGCACC 1620

RESULT 5
US-08-402-282-3/c
; Sequence 3, Application US/08402282
; Patent No. 5476768
; GENERAL INFORMATION:
; APPLICANT: Pearson, Robert E.
; APPLICANT: Dickson, Julie A.
; APPLICANT: Hamilton, Paul T.
; APPLICANT: Little, Michael C.
; APPLICANT: Beyer Jr., Wayne F.
; TITLE OF INVENTION: MYCOBACTERIOPHAGE SPECIFIC FOR THE
; TITLE OF INVENTION: MYCOBACTERIUM TUBERCULOSIS COMPLEX
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Richard J. Rodrick, Becton Dickinson and
; STREET: 1 Becton Drive
; CITY: Franklin Lakes
; STATE: NJ
; COUNTRY: US
; ZIP: 07417
; COMPUTER READABLE FORM:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/402,282
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Fugit, Donna R.
REGISTRATION NUMBER: 32,135
REFERENCE/DOCKET NUMBER: P-3283
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 15664 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
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US-08-402-282-3

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Best Local Similarity 88.9%; Pred. No. 58;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 CTCGCTGACGCGACCCC 18
Db 7859 CTCGCTGACGCGACGCC 7842

RESULT 6
US-08-508-004-3/c
Sequence 3, Application US/08508004
Patent No. 5582969
GENERAL INFORMATION:
APPLICANT: Pearson, Robert E.
APPLICANT: Dickson, Julie A.
APPLICANT: Hamilton, Paul T.
APPLICANT: Little, Michael C.
APPLICANT: Beyer Jr., Wayne F.
TITLE OF INVENTION: MYCOBACTERIOPHAGE SPECIFIC FOR THE
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Richard J. Rodrick, Becton Dickinson and
ADDRESS: Company
STREET: 1 Becton Drive
CITY: Franklin Lakes
STATE: NJ
COUNTRY: US
ZIP: 07417
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/508.004
FILING DATE: 27-JUL-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/402,282
FILING DATE: 10-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Fugit, Donna R.
REGISTRATION NUMBER: 32,135
REFERENCE/DOCKET NUMBER: P-3283
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 15664 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
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US-08-508-004-3

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Best Local Similarity 88.9%; Pred No. 58;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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DB 7859 CTCGCTGACGCCACCC 7842

RESULT 7
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Sequence 3, Application US/08402066
Patent No. 5612182
GENERAL INFORMATION:
APPLICANT: Pearson, Robert E.
APPLICANT: Dickson, Julie A.
APPLICANT: Hamilton, Paul T.
APPLICANT: Little, Michael C.
APPLICANT: Beyer Jr., Wayne F.
TITLE OF INVENTION: MYCOBACTERIOPHAGE SPECIFIC FOR THE
TITLE OF INVENTION: MYCOBACTERIUM TUBERCULOSIS COMPLEX
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Richard J. Rodrick, Becton Dickinson and
ADDRESSEE: Company
STREET: 1 Becton Drive
CITY: Franklin Lakes
STATE: NJ
COUNTRY: US
ZIP: 07417
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/402,066
FILING DATE:
CLASSIFICATION: 436
ATTORNEY/AGENT INFORMATION:
NAME: Fugit, Donna R.
REGISTRATION NUMBER: 32,135
REFERENCE/DOCKET NUMBER: P-3283
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 15664 base pairs
TYPE: nucleic acid

STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
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US-08-402-066-3
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Db 7859 CTCGGTGAACGGCACCC 7842

RESULT 8
US-08-402-068-3/C
Sequence 3, Application US/08402068
Patent No. 5633159
GENERAL INFORMATION:
APPLICANT: Pearson, Robert E.
APPLICANT: Dickson, Julie A.
APPLICANT: Hamilton, Paul T.
APPLICANT: Little, Michael C.
APPLICANT: Beyer Jr., Wayne F.
TITLE OF INVENTION: MYCOBACTERIOPHAGE SPECIFIC FOR THE

TITLE OF INVENTION: MYCOBACTERIUM TUBERCULOSIS COMPLEX
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Richard J. Rodrick, Becton Dickinson and
ADDRESSEE: Company
STREET: 1 Becton Drive
CITY: Franklin Lakes
STATE: NJ
COUNTRY: US
ZIP: 07417
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/402,068
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Fugitt, Donna R.
REGISTRATION NUMBER: 32,135
REFERENCE/DOCKET NUMBER: P-3283
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 15664 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: misc_feature
LOCATION: 222..425
OTHER INFORMATION: //function= "potential open reading
OTHER INFORMATION: frame"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 451..747
OTHER INFORMATION: //function= "potential open reading
OTHER INFORMATION: frame"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 747..1109
OTHER INFORMATION: //function= "potential open reading
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NAME/KEY: misc_feature
LOCATION: 1109..2014
OTHER INFORMATION: //function= "potential open reading
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NAME/KEY: misc_feature
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NAME/KEY: misc_feature
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NAME/KEY: misc_feature
LOCATION: 3731..4855

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OTHER INFORMATION: /function- "potential open reading
OTHER INFORMATION: frame"
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LOCATION: 4855..5376
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NAME/KEY: misc_feature
LOCATION: 5382..5747
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NAME/KEY: misc_feature
LOCATION: 5837..6307
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OTHER INFORMATION: /function- "potential open reading
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NAME/KEY: misc_feature
LOCATION: 14771..15154
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NAME/KEY: misc_feature
LOCATION: 15154..15426
OTHER INFORMATION: /function- "potential open reading
OTHER INFORMATION: frame"

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FEATURE:
NAME/KEY: misc_feature
LOCATION: 15429..15664
OTHER INFORMATION: /function- "potential open reading
OTHER INFORMATION: frame"
US-08-402-068-3

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Best Local Similarity 82.2%; Score 14.8; DB 1; Length 15664;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CTCGTGACGCGACGCC 18
Db 7859 CTCGTGACGCGACGCC 7842

RESULT 9
US-09-103-840A-2
Sequence 2, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
FILE REFERENCE: 24366-20007.00
CURRENT APPLICATION NUMBER: US/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: Patentl Ver. 2.1
SEQ ID NO 2
LENGTH: 4403765
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
OTHER INFORMATION: CDC 1551
OTHER INFORMATION: "n" bases at various positions throughout the sequence
OTHER INFORMATION: refer to a, b, c or g
US-09-103-840A-2

Query Match
Best Local Similarity 82.2%; Score 14.8; DB 4; Length 4403765;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 TCGGTGACGCGACGCC 18
Db 3199915 TCGGTGACGCGACGCC 3199941

RESULT 10
US-09-221-017B-853/C
Sequence 853, Application US/09221017B
Patent No. 6444799
GENERAL INFORMATION:
APPLICANT: ROSS, Bruce C.
TITLE OF INVENTION: P. GINGIVALIS NUCLEOTIDES AND USES THEREOF
NUMBER OF SEQUENCES: 1120
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FORSTER
STREET: 755 PAGE MILL ROAD
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastSeq for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/221,017B

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FILED DATE: 23-DEC-1998
CLASSIFICATION: 23-DEC-1998
PRIOR APPLICATION DATA: PP1182
APPLICATION NUMBER: PP1182
FILING DATE: 31-DEC-1997
PRIOR APPLICATION DATA: PP1546
APPLICATION NUMBER: PP1546
FILING DATE: 30-JAN-1998
PRIOR APPLICATION DATA: PP2911
APPLICATION NUMBER: PP2911
FILING DATE: 09-APR-1998
PRIOR APPLICATION DATA: PCT/AU98/01023
APPLICATION NUMBER: PCT/AU98/01023
FILING DATE: 10-DEC-1998
ATTORNEY/AGENT INFORMATION:
NAME: MONROY, Gladys H.
REGISTRATION NUMBER: 32,430
REFERENCE/DOCKET NUMBER: 27340-20021.00
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-813-5600
TELEFAX: 650-494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 853:
SEQUENCE CHARACTERISTICS:
LENGTH: 824 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: UNKNOWN
ORIGINAL SOURCE:
ORGANISM: PORYPHYROMONAS GINGIVALIS
FEATURE:
NAME/KEY: misc.feature
LOCATION: 1...824
US-09-221-017B-853

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Best Local Similarity 80.0%; Score 14.4; DB 4; Length 824;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 3 CGGTGACGCGCC 18
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DB 814 CGGTGACGCGCC 799

RESULT 11
US-08-651-155B-119
Sequence 119, Application US/08651155B
Patent No. 6365401
GENERAL INFORMATION:
APPLICANT: Mahan Dr., Michael J.
APPLICANT: Conner Mr., Christopher P.
APPLICANT: Hiehoff Mr., Douglas M.
TITLE OF INVENTION: METHOD AND PROBES FOR THE IDENTIFICATION
TITLE OF INVENTION: OF MICROBIAL GENES SPECIFICALLY INDUCED DURING HOST
NUMBER OF SEQUENCES: 255
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Chrisman, Byrum & Johnson, P.C.
STREET: 1900 Fifteenth Street
CITY: Boulder
STATE: CO
COUNTRY: USA
ZIP: 80302
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/651.155B

FILED DATE: 17-MAY-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Petersen Mr., Steven C.
REGISTRATION NUMBER: 36,238
REFERENCE/DOCKET NUMBER: 17060.1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 303/546-1300
TELEFAX: 303/449-5426
TELEX: ABA1475
INFORMATION FOR SEQ ID NO: 119:
SEQUENCE CHARACTERISTICS:
LENGTH: 345 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-651-155B-119

Query Match
Best Local Similarity 77.8%; Score 14; DB 4; Length 345;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 TCGGTGACGCGCAC 15
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DB 217 TCGGTGACGCGCAC 230

RESULT 12
US-09-072-596-336/C
Sequence 336, Application US/09072596
Patent No. 6458366
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Dillon, Davin C.
APPLICANT: Campos-Neto, Antonia
APPLICANT: Houghton, Raymond
APPLICANT: Vedvick, Thomas S.
APPLICANT: Twardzik, Daniel R.
APPLICANT: Lodges, Michael J.
APPLICANT: Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
NUMBER OF SEQUENCES: 350
CORRESPONDENCE ADDRESSES:
ADDRESSEE: SEED and BEERY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/072.596
FILING DATE: 05-MAY-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: MAKI, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 336:
SEQUENCE CHARACTERISTICS:
LENGTH: 1195 base pairs
TYPE: nucleic acid

	Matches	15;	Conservative	0;	Mismatches	2;	Indels	0;	Gaps	0;
Qy	1	CTCGGTGACGGCACCC	17							
Db	39	CTCGGTGACGGCACCC	23							

Search completed: February 18, 2003, 00:28:17
Job time : 2972.22 secs

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 21:30:48 ; Search time 96.2091 Seconds
(Without alignments)
95.291 Million cell updates/sec

Title: US-09-362-485-18

Perfect score: 1 CTCGGTACAGCGACCCC 18

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 424239 seqs, 25461826 residues

Total number of hits satisfying chosen parameters: 848478

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published_Applications_NA:*

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- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEM_PUB.seq:*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEM_PUB.seq:*
- 4: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
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- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
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- 13: /cgn2_6/ptodata/2/pubpna/US60_NEM_PUB.seq:*
- 14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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C 1	15	83.3	2631	9	US-09-712-363-97
C 2	14.8	82.2	151	10	US-09-864-761-20949
C 3	14.8	82.2	208	9	US-09-796-692-6427
C 4	14.8	82.2	416	9	US-10-015-219-603
C 5	14.8	82.2	416	10	US-09-777-564-603
C 6	14.8	82.2	435	9	US-09-796-692-6201
C 7	14.8	82.2	448	9	US-09-796-692-6814
C 8	14.8	82.2	449	9	US-09-796-692-6585
C 9	14.8	82.2	451	10	US-09-864-761-4115
C 10	14.8	82.2	452	10	US-09-833-381-802
C 11	14.8	82.2	603	10	US-09-833-381-1025
C 12	14.8	82.2	5828	10	US-09-903-248-6
C 13	14.8	82.2	5828	10	US-09-859-604-6
C 14	14.8	82.2	5828	10	US-09-903-063-6
C 15	14.8	82.2	5828	10	US-09-903-216-6
C 16	14.8	82.2	5828	10	US-09-903-199-6
C 17	14.8	82.2	5828	10	US-09-880-107-3021
C 18	14.8	82.2	5828	10	US-09-903-023-6
C 19	14.8	82.2	45845	10	US-09-927-091-6

C 20	14.8	82.2	49744	10	US-09-927-091-4	Sequence 4, Appl
C 21	14.4	80.0	1017	9	US-09-738-626-751	Sequence 751, App
C 22	13.8	76.7	396	9	US-09-970-866-15	Sequence 15, Appl
C 23	13.8	76.7	396	10	US-09-825-294-15	Sequence 15, Appl
C 24	13.8	76.7	532	10	US-09-833-381-910	Sequence 910, App
C 25	13.8	76.7	555	10	US-09-924-035A-412	Sequence 412, App
C 26	13.8	76.7	954	9	US-09-738-626-1455	Sequence 1455, Ap
C 27	13.8	76.7	1104	10	US-09-741-669-164	Sequence 164, App
C 28	13.8	76.7	1107	9	US-09-938-842A-1090	Sequence 1090, Ap
C 29	13.8	76.7	1125	10	US-09-833-555-25	Sequence 25, Appl
C 30	13.8	76.7	1344	10	US-09-815-242-7614	Sequence 7614, Ap
C 31	13.8	76.7	1407	9	US-09-989-442-31	Sequence 31, Appl
C 32	13.8	76.7	1931	10	US-09-921-232-10	Sequence 10, Appl
C 33	13.8	76.7	1931	10	US-09-921-330-10	Sequence 10, Appl
C 34	13.8	76.7	1931	10	US-09-921-329-10	Sequence 10, Appl
C 35	13.8	76.7	1959	10	US-09-727-628-1	Sequence 1, Appl
C 36	13.8	76.7	3165	9	US-09-822-849A-481	Sequence 481, App
C 37	13.8	76.7	3195	9	US-10-098-841-29	Sequence 29, Appl
C 38	13.8	76.7	3546	10	US-09-921-232-14	Sequence 14, Appl
C 39	13.8	76.7	3546	10	US-09-921-232-15	Sequence 15, Appl
C 40	13.8	76.7	3546	10	US-09-921-330-14	Sequence 14, Appl
C 41	13.8	76.7	3546	10	US-09-921-330-15	Sequence 15, Appl
C 42	13.8	76.7	3546	10	US-09-921-329-14	Sequence 14, Appl
C 43	13.8	76.7	3546	10	US-09-921-329-15	Sequence 15, Appl
C 44	13.8	76.7	3786	10	US-09-815-242-7865	Sequence 7865, Ap
C 45	13.8	76.7	7419	10	US-09-815-242-4009	Sequence 4009, Ap

ALIGNMENTS

RESULT 1
US-09-712-363-97/c
Sequence 97, Application US/09712363
Patent No. US20020164588A1
GENERAL INFORMATION:
APPLICANT: Eisenberg, David
APPLICANT: Rotstein, Sergio H.
APPLICANT: Marcotte, Edward M.
TITLE OF INVENTION: DETERMINING THE FUNCTIONS AND
FILE OF INVENTION: INTERACTIONS OF PROTEINS BY COMPARATIVE ANALYSIS
FILE REFERENCE: 07419-032001
CURRENT APPLICATION NUMBER: US/09/712, 363
PRIOR FILING DATE: 2000-11-13
PRIOR APPLICATION NUMBER: PCT/US00/02246
PRIOR FILING DATE: 2000-01-28
PRIOR APPLICATION NUMBER: 60/179, 531
PRIOR FILING DATE: 2000-02-01
PRIOR APPLICATION NUMBER: 60/117, 844
PRIOR FILING DATE: 1999-01-29
PRIOR APPLICATION NUMBER: 60/118, 206,
PRIOR FILING DATE: 1999-02-01
PRIOR APPLICATION NUMBER: 60/126, 593
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: 60/134, 093
PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: 60/134, 092
PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: 60/165, 124
PRIOR FILING DATE: 1999-11-12
PRIOR APPLICATION NUMBER: 60/165, 086
PRIOR FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 292
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 97
LENGTH: 2631
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
US-09-712-363-97
Query Match 83.3% ; Score 15; DB 9; Length 2631;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 TCGGTGAACGGCACC 16
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Db 1547 TCGGTGAACGGCACC 1533

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RESULT 2
US-09-864-761-20949
; Sequence 20949, Application US/09864761
; Patient No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Cline, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Acomica X-1
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US/09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263,6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEO ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEO ID NO 20949
; LENGTH: 151
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL031003.1
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.9
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.4
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 2.6
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.7
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.8
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.2
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.9
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 4
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 3
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; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3
; OTHER INFORMATION: EST_HUMAN HIT: A718662.1, EVALUATE 1.00e-07
; OTHER INFORMATION: NT_HIT: AF044206.1, EVALUATE 3.00e-07
; OTHER INFORMATION: SWISSPROT HIT: P15325, EVALUATE 8.70e+00
US-09-864-761-20949
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Query Match 82.2%; Score 14.8; DB 10; Length 151;
Best Local Similarity 88.9%; Pred. No. 44;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 CTCGGTGAACGGCACC 18
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Db 44 CTCGGTGAATGACGCC 61

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RESULT 3
US-09-796-692-6427/c
; Sequence 6427, Application US/09796692
; Publication No. US20020198362A1
; GENERAL INFORMATION:
; APPLICANT: Galger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THER
; TITLE OF INVENTION: HEMATOLOGICAL MALIGNANCIES
; FILE REFERENCE: 2077,001200
; CURRENT APPLICATION NUMBER: US/09/796,692
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 60/200,303
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/200,779
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: 60/223,378
; PRIOR FILING DATE: 2000-08-07
; NUMBER OF SEO ID NOS: 9597
; SOFTWARE: FastSeq for Windows Version 3.0
; SEO ID NO 6427
; LENGTH: 208
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-796-692-6427
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Query Match 82.2%; Score 14.8; DB 9; Length 208;
Best Local Similarity 88.9%; Pred. No. 44;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 CTCGGTGAACGGCACC 18
|||||
Db 182 CTCGTGACGGCACC 165

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RESULT 4
US-10-015-219-603/c
; Sequence 603, Application US/10015219
; Publication No. US20030008299A1
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: APPLICANT: de la Monte, Suzanne M.
: APPLICANT: Ince, Nedim
: APPLICANT: Carlson, Rolf I.
: TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF MALIGNANT NEOPLASMS
: FILE REFERENCE: 21486-032 DIV3
: CURRENT APPLICATION NUMBER: US/09/903,063
: CURRENT FILING DATE: 2001-10-11
: PRIOR APPLICATION NUMBER: 09/436,184
: PRIOR FILING DATE: 1999-11-08
: NUMBER OF SEQ ID NOS: 9
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 6
: LENGTH: 5828
: TYPE: DNA
: ORGANISM: Homo sapiens
: US-09-903-063-6

Query Match      82.2%; Score 14.8; DB 10; Length 5828;
Best Local Similarity 88.9%; Pred. No. 52;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 CTCGGTGAACGGCACC 18
    ||||| ||||| |||
Db 2040 CTCGGTGAACGGCACC 2057

RESULT 15
US-09-903-216-6
: Sequence 6, Application US/09903216
: Patent No. US20020114811A1
: GENERAL INFORMATION:
: APPLICANT: Wands, Jack R.
: APPLICANT: de la Monte, Suzanne M.
: APPLICANT: Ince, Nedim
: APPLICANT: Carlson, Rolf I.
: TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF MALIGNANT NEOPLASMS
: FILE REFERENCE: 21486-032 DIV2
: CURRENT APPLICATION NUMBER: US/09/903,216
: CURRENT FILING DATE: 2001-07-11
: PRIOR APPLICATION NUMBER: 09/436,184
: PRIOR FILING DATE: 1999-11-08
: NUMBER OF SEQ ID NOS: 9
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 6
: LENGTH: 5828
: TYPE: DNA
: ORGANISM: Homo sapiens
: US-09-903-216-6

Query Match      82.2%; Score 14.8; DB 10; Length 5828;
Best Local Similarity 88.9%; Pred. No. 52;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 CTCGGTGAACGGCACC 18
    ||||| ||||| |||
Db 2040 CTCGGTGAACGGCACC 2057
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Search completed: February 18, 2003, 07:09:27
Job time : 98.2091 secs

GenCore version 5.1.3
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 16:07:27 : Search time 26.216 Seconds
(without alignments)
210.565 Million cell updates/sec

Title: US-09-362-485-19

Perfect score: 18

Sequence: 1 GGCACGACGCTGGCGG 18

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_NA:*

1: /cgn2_6/ptodata/2/ina/5A.COMB.seq:*

2: /cgn2_6/ptodata/2/ina/5B.COMB.seq:*

3: /cgn2_6/ptodata/2/ina/6A.COMB.seq:*

4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*

5: /cgn2_6/ptodata/2/ina/PCTUS.COMB.seq:*

6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
C 1	18	100.0	4403765	4	US-09-103-840A-2	Sequence 2, Appli
C 2	18	100.0	4411529	4	US-09-103-840A-1	Sequence 1, Appli
C 3	15.4	85.6	2484	4	US-09-276-531-46	Sequence 46, Appli
C 4	15	83.3	5816	4	US-09-220-641-4	Sequence 4, Appli
C 5	14.8	82.2	39	2	US-08-190-199A-28	Sequence 28, Appli
C 6	14.8	82.2	294	4	US-09-132-316-43	Sequence 43, Appli
C 7	14.8	82.2	764	4	US-09-235-451-21	Sequence 21, Appli
C 8	14.8	82.2	2380	4	US-09-235-451-35	Sequence 35, Appli
C 9	14.8	82.2	2682	1	US-07-855-793-3	Sequence 3, Appli
C 10	14.8	82.2	2805	4	US-09-132-316-1	Sequence 1, Appli
C 11	14.8	82.2	2860	4	US-09-149-476-314	Sequence 314, Appli
C 12	14.8	82.2	4403765	4	US-09-103-840A-2	Sequence 2, Appli
C 13	14.4	80.0	187	4	US-09-060-756-349	Sequence 349, App
C 14	14.4	80.0	378	4	US-09-060-756-207	Sequence 207, App
C 15	14.4	80.0	811	4	US-09-056-556-199	Sequence 199, App
C 16	14.4	80.0	811	4	US-09-072-596-194	Sequence 194, App
C 17	14.4	80.0	908	4	US-08-991-789A-46	Sequence 46, Appli
C 18	14.4	80.0	908	4	US-09-062-451-46	Sequence 46, Appli
C 19	14.4	80.0	908	4	US-09-598-326-46	Sequence 46, Appli
C 20	14.4	80.0	1135	4	US-09-065-104-2	Sequence 2, Appli
C 21	14.4	80.0	1426	2	US-08-284-465-2	Sequence 2, Appli
C 22	14.4	80.0	1426	2	US-08-284-465-7	Sequence 7, Appli
C 23	14.4	80.0	2471	1	US-08-920-812-14	Sequence 14, Appli
C 24	14.4	80.0	2471	1	US-08-920-827-14	Sequence 14, Appli
C 25	14.4	80.0	2471	1	US-08-921-177-14	Sequence 14, Appli
C 26	14.4	80.0	2471	1	US-08-362-577C-14	Sequence 14, Appli
C 27	14.4	80.0	2471	2	US-08-920-828-14	Sequence 14, Appli

C 28	14.4	80.0	2629	4	US-09-392-184-17	Sequence 17, Appli
C 29	14.4	80.0	3807	2	US-08-816-755-1	Sequence 1, Appli
C 30	14.4	80.0	3807	4	US-08-090-673-1	Sequence 1, Appli
C 31	14.4	80.0	3000	1	US-08-125-468-1	Sequence 1, Appli
C 32	14.4	80.0	3000	2	US-08-474-933-1	Sequence 1, Appli
C 33	14.4	77.8	2007	3	US-08-941-445A-8	Sequence 8, Appli
C 34	14.4	77.8	2085	1	US-08-572-951-2	Sequence 2, Appli
C 35	14.4	77.8	5894	3	US-08-665-259-24	Sequence 24, Appli
C 36	14.4	77.8	5894	3	US-08-762-500-24	Sequence 24, Appli
C 37	14.4	77.8	6525	3	US-08-762-500-74	Sequence 74, Appli
C 38	13.8	76.7	160	4	US-08-990-823-74	Sequence 74, Appli
C 39	13.8	76.7	268	1	US-08-105-168B-1	Sequence 1, Appli
C 40	13.8	76.7	268	1	US-08-105-168B-2	Sequence 2, Appli
C 41	13.8	76.7	268	1	US-08-105-168B-3	Sequence 3, Appli
C 42	13.8	76.7	268	1	US-08-105-168B-4	Sequence 4, Appli
C 43	13.8	76.7	268	2	US-08-698-948-1	Sequence 1, Appli
C 44	13.8	76.7	268	2	US-08-698-948-2	Sequence 2, Appli
C 45	13.8	76.7	268	2	US-08-698-948-3	Sequence 3, Appli

ALIGNMENTS

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RESULT 1
US-09-103-840A-2/c
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007_00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match      100.0%; Score 18; DB 4; Length 4403765;
Best local Similarity 100.0%; Pred. No. 5.1;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGCACGACGCTGGCGG 18
Db 3082612 GGCACGACGCTGGCGG 3082595

RESULT 2
US-09-103-840A-1/c
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007_00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2

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SOFTWARE: PatentIn Ver. 2.1
SDO ID NO 1
LENGTH: 4411529
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
OTHER INFORMATION: H37RV
US-09-103-840A-1

Query Match 100.0%; Score 18; DB 4; Length 4411529;
Best Local Similarity 100.0%; Pred. No. 5.1;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GGGCAGCAGCTGGCGG 18
Db 3087929 GGGCAGCAGCTGGCGG 3087912

RESULT 3
US-09-276-531-46

Sequence 46, Application US/09276531
Patent No. 6183968

GENERAL INFORMATION:

APPLICANT: Bandman, Olga

APPLICANT: Lal, Preeti

APPLICANT: Hillman, Jennifer L.

APPLICANT: Yue, Henry

APPLICANT: Reddy, Roopa

APPLICANT: Guejter, Karl J.

APPLICANT: Baugin, Mariah R.

TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF GENES ENCODING

NUMBER OF SEQUENCES: 134

CORRESPONDENCE ADDRESS:

ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

STREET: 3174 PORTER DRIVE

CITY: PALO ALTO

STATE: CALIFORNIA

COUNTRY: USA

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/276,531

FILING DATE: Herewith

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/079,677

FILING DATE: March 27, 1998

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Lynn E. Murry, Ph.D.

REGISTRATION NUMBER: 42,918

REFERENCE/DOCKET NUMBER: PA-0008 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (650) 855-0555

TELEFAX: (650) 845-4166

INFORMATION FOR SDO ID NO: 46:

SEQUENCE CHARACTERISTICS:

LENGTH: 2484 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: SYNCRAT05

CLONE: 1262948

US-09-276-531-46

Query Match 85.6%; Score 15.4; DB 4; Length 2484;
Best Local Similarity 94.1%; Pred. No. 97;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 GGGCAGCAGCTGGCGG 17
Db 552 GGGCAGCAGCTGGCGG 568

RESULT 4
US-09-220-641-4

Sequence 4, Application US/09220641

Patent No. 6210923

GENERAL INFORMATION:

APPLICANT: Lee, Cheng-Chi

APPLICANT: Sun, Zhong Sheng

APPLICANT: Albrecht, Urs

APPLICANT: Eichele, Gregor

TITLE OF INVENTION: Mammalian Circadian Regulator M-RIGU12 (M-PER2)

FILE REFERENCE: D6067

CURRENT APPLICATION NUMBER: US/09/220,641

CURRENT FILING DATE: 1998-12-24

EARLIER APPLICATION NUMBER: US 60/068,886

EARLIER FILING DATE: 1997-12-26

NUMBER OF SEQ ID NOS: 5

SDO ID NO 4

LENGTH: 5816

TYPE: DNA

ORGANISM: Mus musculus

FEATURE:

NAME/KEY: CDS

LOCATION: 145..3918

OTHER INFORMATION: m-rigu12 cDNA sequence

US-09-220-641-4

Query Match 83.3%; Score 15; DB 4; Length 5816;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GGGCAGCAGCTGGCG 15
Db 531 GGGCAGCAGCTGGCG 545

RESULT 5
US-08-190-199A-28

Sequence 28, Application US/08190199A

Patent No. 5830663

GENERAL INFORMATION:

APPLICANT: EMBLETON, Michael J.

APPLICANT: GOROCHOV, Guy

APPLICANT: JONES, Peter T.

APPLICANT: WINTER, Gregory P.

TITLE OF INVENTION: TREATMENT OF CELL POPULATIONS

NUMBER OF SEQUENCES: 70

CORRESPONDENCE ADDRESS:

ADDRESSEE: PILLSBURY MADISON & SUTRO, L.L.P.

STREET: 1100 New York Avenue, N.W.

CITY: Washington

STATE: D.C.

COUNTRY: U.S.A.

ZIP: 20005-3918

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Microsoft Word

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/190,199A

FILING DATE: 13-JUL-1994

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/GB92/01483

FILING DATE: 10-AUG-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9212419.7

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; FILING DATE: 11-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9117352.6
; FILING DATE: 10-AUG-1991
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 39 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEetical: NO
; ANTI-SENSE: NO
; US-08-190-199A-28

Query Match
Best Local Similarity 82.2%; Score 14.8; DB 2; Length 39;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GGCCAGCAGCTGGCGGG 18
DB 12 GGCCAGTACGCTGAGAGG 29

RESULT 6
US-09-132-316-43/C
; Sequence 43, Application US/09132316B
; Patent No. 6444440
; GENERAL INFORMATION:
; APPLICANT: Young, Paul E.
; TITLE OF INVENTION: Vanilloid Receptor-2
; FILE REFERENCE: 1488,1110000
; CURRENT APPLICATION NUMBER: US/09/132,316B
; CURRENT FILING DATE: 1998-08-11
; EARLIER APPLICATION NUMBER: US 60/040,163
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: PCT/US98/04493
; EARLIER FILING DATE: 1998-03-06
; NUMBER OF SEQ ID NOS: 67
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43
; LENGTH: 294
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-132-316-43

Query Match
Best Local Similarity 82.2%; Score 14.8; DB 4; Length 294;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GGCCAGCAGCTGGCGGG 18
DB 98 GGCTGACAGCTGGCGGG 81

RESULT 7
US-09-235-451-21/C
; Sequence 21, Application US/09235451
; GENERAL INFORMATION:
; APPLICANT: Julius, David J.
; APPLICANT: Caterina, Michael J.
; TITLE OF INVENTION: NUCLEIC ACID SEQUENCES ENCODING
; TITLE OF INVENTION: CAPSAICIN RECEPTOR AND CAPSAICIN RECEPTOR-RELATED
; TITLE OF INVENTION: POLYPEPTIDES AND USES THEREOF
; FILE REFERENCE: 9076/084C1P
; CURRENT APPLICATION NUMBER: US/09/235,451
; CURRENT FILING DATE: 1999-01-22
; PRIOR APPLICATION NUMBER: 60/072,151
; PRIOR FILING DATE: 1998-01-22
; PRIOR APPLICATION NUMBER: 08/915,461
; PRIOR FILING DATE: 1997-08-20
```

```

; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 21
; LENGTH: 764
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (3)...(519)
; US-09-235-451-21

Query Match
Best Local Similarity 82.2%; Score 14.8; DB 4; Length 764;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GGCCAGCAGCTGGCGGG 18
DB 98 GGCTGACAGCTGGCGGG 81

RESULT 8
US-09-235-451-35/C
; Sequence 35, Application US/09235451
; GENERAL INFORMATION:
; APPLICANT: Julius, David J.
; APPLICANT: Caterina, Michael J.
; TITLE OF INVENTION: NUCLEIC ACID SEQUENCES ENCODING
; TITLE OF INVENTION: CAPSAICIN RECEPTOR AND CAPSAICIN RECEPTOR-RELATED
; TITLE OF INVENTION: POLYPEPTIDES AND USES THEREOF
; FILE REFERENCE: 9076/084C1P
; CURRENT APPLICATION NUMBER: US/09/235,451
; CURRENT FILING DATE: 1999-01-22
; PRIOR APPLICATION NUMBER: 60/072,151
; PRIOR FILING DATE: 1998-01-22
; PRIOR APPLICATION NUMBER: 08/915,461
; PRIOR FILING DATE: 1997-08-20
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 35
; LENGTH: 2380
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (19)...(2313)
; OTHER INFORMATION: Human VR2
; US-09-235-451-35

Query Match
Best Local Similarity 82.2%; Score 14.8; DB 4; Length 2380;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GGCCAGCAGCTGGCGGG 18
DB 738 GGCTGACAGCTGGCGGG 721

RESULT 9
US-07-855-793-3
; Sequence 3, Application US/07855793
; Patent No. 5217880
; GENERAL INFORMATION:
; APPLICANT: Masanori Miyata et al.
; TITLE OF INVENTION: L-FUCOSE DEHYDROGENASE GENE,
; TITLE OF INVENTION: MICROORGANISM HAVING SAID GENE AND PRODUCTION OF L-FUCOSE
; TITLE OF INVENTION: DEHYDROGENASE BY THE USE OF SAID MICROORGANISM
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
```

COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 500 Kb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: DisplayWrite
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/855,793
FILING DATE: 19920323
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-8850
TELEFAX:
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 2682 Base Pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: genomic DNA
HYPOTHETICAL:
ANTI-SENSE:
FRAGMENT TYPE:
ORIGINAL SOURCE:
ORGANISM: Arthrobacter Oxidans
STRAIN:
INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE:
HAPLOTYPE:
TISSUE TYPE:
CELL TYPE:
CELL LINE:
ORGANELLE:
IMMEDIATE SOURCE:
LIBRARY:
CLONE:
POSITION IN GENOME:
CHROMOSOME/SEGMENT:
MAP POSITION:
UNITS:
FEATURE: (A) NAME/KEY:
LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION: /note= "844-1809 E CDS"
PUBLICATION INFORMATION:
AUTHORS:
TITLE:
JOURNAL:
VOLUME:
ISSUE:
PAGES:
DATE:
DOCUMENT NUMBER:
FILING DATE:
PUBLICATION DATE:
RELEVANT RESIDUES IN SEQ ID NO:
US-07-855-793-3

Query Match 82.2% Score 14.8; DB 1; Length 2682;
Best Local Similarity 88.9%; Pred. No. 1.8e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GGCAGCAGCTGGCGG 18
|||||

Db 167 GGCCTGCAGCTGGCTGG 184

RESULT 10
US-09-132-316-1/c
; Sequence 1, Application US/09132316B
; Patent No. 6444440
; GENERAL INFORMATION:
; APPLICANT: Young, Paul E.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Vanilloid Receptor-2
; FILE REFERENCE: 1488,1110000
; CURRENT APPLICATION NUMBER: US/09/132,316B
; CURRENT FILING DATE: 1998-08-11
; EARLIER APPLICATION NUMBER: US 60/040,163
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: PCT/US98/04493
; EARLIER FILING DATE: 1998-01-06
; NUMBER OF SEQ ID NOS: 67
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 2805
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (5)..(2674)
US-09-132-316-1

Query Match 82.2% Score 14.8; DB 4; Length 2805;
Best Local Similarity 88.9%; Pred. No. 1.8e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GGCAGCAGCTGGCGG 18
|||||

Db 1102 GGCCTGCAGCTGGCGG 1085

RESULT 11
US-09-149-476-314/c
; Sequence 314, Application US/09149476
; Patent No. 6420526
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: P2002P1
; CURRENT APPLICATION NUMBER: US/09/149,476
; CURRENT FILING DATE: 1998-09-08
; EARLIER APPLICATION NUMBER: PCT/US98/04493
; EARLIER FILING DATE: 1998-01-06
; EARLIER APPLICATION NUMBER: 60/040,162
; EARLIER FILING DATE: 1997-04-07
; EARLIER APPLICATION NUMBER: 60/040,334
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/038,621
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,626
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,334
; EARLIER FILING DATE: 1997-01-07
; EARLIER APPLICATION NUMBER: 60/040,336
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,163
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/047,600
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,615
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,597
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,502
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,633

[illegible]

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;; EARLIER FILING DATE: 1997-08-22
;; EARLIER APPLICATION NUMBER: 60/056,875
;; EARLIER FILING DATE: 1997-08-22
;; EARLIER APPLICATION NUMBER: 60/056,862
;; EARLIER FILING DATE: 1997-08-22
;; EARLIER APPLICATION NUMBER: 60/056,887
;; EARLIER FILING DATE: 1997-08-22
;; EARLIER APPLICATION NUMBER: 60/056,908
;; EARLIER FILING DATE: 1997-08-22
;; EARLIER APPLICATION NUMBER: 60/048,964
;; EARLIER FILING DATE: 1997-06-06
;; EARLIER APPLICATION NUMBER: 60/057,650
;; EARLIER FILING DATE: 1997-09-05
;; EARLIER APPLICATION NUMBER: 60/056,884
;; EARLIER FILING DATE: 1997-08-22
;; EARLIER APPLICATION NUMBER: 60/057,669
;; EARLIER FILING DATE: 1997-09-05
;; EARLIER APPLICATION NUMBER: 60/049,610
;; EARLIER FILING DATE: 1997-06-13
;; EARLIER APPLICATION NUMBER: 60/061,060
;; EARLIER FILING DATE: 1997-10-02
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Query Match      82.2%; Score 14.8; DB 4; Length 2860;
Best Local Similarity 88.9%; Pred. No. 1.8e+01;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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OY      1  GCGCAGCAGCGTGGCGG 18
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Db      1144 GCGCTGCAGCGCTGGCGG 1127
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RESULT 12
US-09-103-840A-2
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2
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Query Match      82.2%; Score 14.8; DB 4; Length 4403765;
Best Local Similarity 94.1%; Pred. No. 61;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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```
OY      1  GCGCAGCAGCGTGGCGG 17
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Db      1634596 GCGCAGCAGCGTGGTGG 1634612
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```
RESULT 13
US-09-060-756-349
; Sequence 349, Application US/09060756
; Patent No. 6183957
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
```

```
;; APPLICANT: Gordon, Stephen
;; APPLICANT: Billault, Alain
;; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
;; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
;; TITLE OF INVENTION: LIBRARY APPLICATION TO THE DETECTION OF MYCOBACTERIA
;; FILE REFERENCE: 3495-0169
;; CURRENT APPLICATION NUMBER: US/09/060,756
;; CURRENT FILING DATE: 1998-04-16
;; NUMBER OF SEQ ID NOS: 743
;; SOFTWARE: PatentIn Ver. 2.0
;; SEQ ID NO 349
;; LENGTH: 187
;; TYPE: DNA
;; ORGANISM: Mycobacterium tuberculosis
US-09-060-756-349
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Query Match      80.0%; Score 14.4; DB 4; Length 187;
Best Local Similarity 93.8%; Pred. No. 2.9e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
OY      1  GCGCAGCAGCGTGGCGG 16
         ||| ||| ||| ||| ||| |||
Db      164  GCGCAGCAGCGCTGGCGG 179
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```
RESULT 14
US-09-060-756-207
; Sequence 207, Application US/09060756
; Patent No. 6183957
; GENERAL INFORMATION:
; APPLICANT: Cole, Stewart
; APPLICANT: Buchrieser-Brosch, Roland
; APPLICANT: Billault, Alain
; APPLICANT: Gordon, Stephen
; TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
; TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
; TITLE OF INVENTION: LIBRARY APPLICATION TO THE DETECTION OF MYCOBACTERIA
; FILE REFERENCE: 3495-0169
; CURRENT APPLICATION NUMBER: US/09/060,756
; CURRENT FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patent n Ver. 2.0
; SEQ ID NO 207
; LENGTH: 378
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (various positions within the sequence)
; OTHER INFORMATION: applicants are uncertain of bases designated as "n"
US-09-060-756-207
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Query Match      80.0%; Score 14.4; DB 4; Length 378;
Best Local Similarity 92.8%; Pred. No. 2.9e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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```
OY      2  GCGCAGCAGCGTGGCGG 17
         ||| ||| ||| ||| ||| |||
Db      104  GCGCAGCAGCGCTGGCGG 119
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```
RESULT 15
US-09-056-556-199/c
; Sequence 199, Application US/09056556
; Patent No. 6350456
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Skelky, Yasir A.W.
; APPLICANT: Dillon, David C.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE PREVENTION AND
; NUMBER OF SEQUENCES: 241
; CORRESPONDENCE ADDRESS:
; ADDRESS: SEED and BERRY LLP
```

STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/056,556
FILING DATE: 07-APR-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.457
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 199:
SEQUENCE CHARACTERISTICS:
LENGTH: 811 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-056-556-199

Query Match 80.0%; Score 14.4; DB 4; Length 811;
Best Local Similarity 93.8%; Pred. No. 2.8e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 GGCACGACGCGCTGCG 16
||||| |||||
DB 389 GGCACGACGCGCTGCG 374

Search completed: February 18, 2003, 01:15:25
Job time : 2854.22 secs

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 21:30:48 ; Search time 96.2091 Seconds
(Without alignments)
95.291 Million cell updates/sec

Title: US-09-362-485-19

Perfect score: 18
Sequence: 1 CGCCAGACACCTGGCGG 18

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 424239 seqs, 25461826 residues

Total number of hits satisfying chosen parameters: 848478

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published_Applications_NA:*

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/2/pubpna/PC1_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/2/pubpna/PC1US_NEW_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
- 8: /cgn2_6/ptodata/2/pubpna/US01_PUBCOMB.seq:*
- 9: /cgn2_6/ptodata/2/pubpna/US01_NEW_PUBCOMB.seq:*
- 10: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
- 12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	16	88.9	1434	10	US-09-815-242-9783
2	15.4	85.6	230	9	US-09-736-457-1282
3	15.4	85.6	230	9	US-09-902-941-1282
4	15.4	85.6	230	9	US-09-849-626-1282
5	15.4	85.6	909	10	US-09-815-242-6372
6	15.4	85.6	1212	10	US-09-826-508-29
7	15.4	85.6	1515	10	US-09-895-686-11
8	15.4	85.6	3852	10	US-09-826-508-31
9	15	83.3	972	10	US-09-815-242-6224
10	15	83.3	1416	10	US-09-934-868-29
11	15	83.3	1416	10	US-09-934-868-29
12	14.8	82.2	379	9	US-10-137-316-43
13	14.8	82.2	379	10	US-09-878-574-1883
14	14.8	82.2	426	10	US-09-983-965-3881
15	14.8	82.2	434	10	US-09-764-877-881
16	14.8	82.2	549	10	US-09-864-761-9059
17	14.8	82.2	550	10	US-09-864-761-12744
18	14.8	82.2	553	9	US-10-040-739-1361
19	14.8	82.2	860	10	US-09-764-877-3926

20	14.8	82.2	996	10	US-09-735-169A-6	Sequence 6, Appl1
21	14.8	82.2	996	10	US-09-735-171A-6	Sequence 6, Appl1
22	14.8	82.2	1076	10	US-09-867-550-2041	Sequence 2041, Ap
23	14.8	82.2	1455	10	US-09-887-576-782	Sequence 782, App
24	14.8	82.2	1575	10	US-09-735-169A-4	Sequence 4, Appl1
25	14.8	82.2	1575	10	US-09-735-171A-4	Sequence 4, Appl1
26	14.8	82.2	2187	9	US-09-894-844-9	Sequence 9, Appl1
27	14.8	82.2	2805	9	US-10-137-316-1	Sequence 1, Appl1
28	14.8	82.2	3820	10	US-09-764-864-11	Sequence 11, Appl1
29	14.8	82.2	4970	10	US-09-764-860-1018	Sequence 3747, Ap
30	14.8	82.2	18385	10	US-09-764-869-1892	Sequence 1018, Ap
31	14.8	82.2	23130	10	US-09-764-869-1892	Sequence 1892, Ap
32	14.4	80.0	115	10	US-09-815-343-582	Sequence 582, App
33	14.4	80.0	201	9	US-09-796-692-7246	Sequence 7246, Ap
34	14.4	80.0	214	10	US-09-815-343-236	Sequence 236, App
35	14.4	80.0	283	10	US-09-960-152-9148	Sequence 9148, Ap
36	14.4	80.0	287	10	US-09-783-590-1487	Sequence 1487, Ap
37	14.4	80.0	358	10	US-09-815-343-857	Sequence 857, App
38	14.4	80.0	389	9	US-09-933-797-125	Sequence 325, App
39	14.4	80.0	399	9	US-09-933-797-146	Sequence 146, App
40	14.4	80.0	455	10	US-09-815-343-579	Sequence 579, App
41	14.4	80.0	471	9	US-10-202-193-110	Sequence 110, App
42	14.4	80.0	475	9	US-09-933-797-367	Sequence 367, App
43	14.4	80.0	483	9	US-10-202-193-244	Sequence 244, App
44	14.4	80.0	498	9	US-10-202-193-198	Sequence 198, App
45	14.4	80.0	501	9	US-09-933-797-206	Sequence 206, App

ALIGNMENTS

RESULT 1
US-09-815-242-9783
Sequence 9783, Application US/09815242
Patent No. US20020061569A1
GENERAL INFORMATION:
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Karl H.
APPLICANT: Zyskind, Judith W.
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John D.
APPLICANT: Carr, Grant J.
APPLICANT: Yamamoto, Robert T.
APPLICANT: Xu, H. Howard
TITLE OF INVENTION: Identification of Essential Genes In
FILE REFERENCE: ELITRA.011A
CURRENT APPLICATION NUMBER: US/09/815,242
CURRENT FILING DATE: 2001-04-21
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-04-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
NUMBER OF SEQ ID NOS: 14110
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 9783
LENGTH: 1434
TYPE: DNA
ORGANISM: Salmonella typhi
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(1434)
US-09-815-242-9783

Query Match 88.9%; Score 16; DB 10; Length 1434;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 GCCGAGCAGCTGGCGG 17
Db 655 GCCGAGCAGCTGGCGG 670

RESULT 2

US-09-736-457-1282
; Sequence 1282, Application US/09736457
; Patent No. US20020168637A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Tonglong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvik, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Pan, Liqun
; APPLICANT: Wang, Aijun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1282
; LENGTH: 230
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(230)
; OTHER INFORMATION: n = A,T,C or G
US-09-736-457-1282

Query Match 85.6%; Score 15.4; DB 9; Length 230;
Best Local Similarity 94.1%; Pred. No. 16e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 GCCGAGCAGCTGGCGG 17
Db 117 GCCGAGCAGCTGGCGG 133

RESULT 3

US-09-902-941-1282
; Sequence 1282, Application US/09902941
; Patent No. US20020172952A1
; GENERAL INFORMATION:
; APPLICANT: Henderson, Robert A.
; APPLICANT: Wang, Tonglong
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Johnson, Jeffrey C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Mai erakis, Margarita
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvik, Thomas S.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: McNabb, Andria
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C17
; CURRENT APPLICATION NUMBER: US/09/902,941
; CURRENT FILING DATE: 2001-07-10
; NUMBER OF SEQ ID NOS: 2002

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1282
; LENGTH: 230
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 194
; OTHER INFORMATION: n = A,T,C or G
US-09-902-941-1282

Query Match 85.6%; Score 15.4; DB 9; Length 230;
Best Local Similarity 94.1%; Pred. No. 1.6e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 GCCGAGCAGCTGGCGG 17
Db 117 GCCGAGCAGCTGGCGG 133

RESULT 4

US-09-849-626-1282
; Sequence 1282, Application US/09849626
; Publication No. US20020197669A1
; GENERAL INFORMATION:
; APPLICANT: Bangur, Chaitanya
; APPLICANT: Fanger, Gary
; APPLICANT: Wang, Aijun
; APPLICANT: Wang, Tonglong
; APPLICANT: Switzer, Anne
; APPLICANT: McNeill, Patricia
; APPLICANT: Clapper, Jonathan
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C16
; CURRENT APPLICATION NUMBER: US/09/849,626
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 1926
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1282
; LENGTH: 230
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(230)
; OTHER INFORMATION: n = A,T,C or G
US-09-849-626-1282

Query Match 85.6%; Score 15.4; DB 9; Length 230;
Best Local Similarity 94.1%; Pred. No. 1.6e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 GCCGAGCAGCTGGCGG 17
Db 117 GCCGAGCAGCTGGCGG 133

RESULT 5

US-09-815-242-6372/C
; Sequence 6372, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; TITLE OF INVENTION: Prokaryotes

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; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6372
; LENGTH: 909
; TYPE: DNA
; ORGANISM: Escherichia coli
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(909)
; US-09-815-242-6372
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Query Match      85.6%; Score 15.4; DB 10; Length 909;
Best Local Similarity 94.1%; Pred. No. 1.4e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY      1 GGCACGACGCTGCGG 17
        ||||| ||||| ||||| |||
Db      609 GGCACGACGCTGCGG 593
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RESULT 6
; US-09-826-508-29
; Sequence 29, Application US/09826508
; Patent No. US20010025099A1
; GENERAL INFORMATION:
; APPLICANT: Nabil Elshourbagy
; APPLICANT: Lisa Vawter
; TITLE OF INVENTION: G Protein-Coupled Receptor Polypeptides
; TITLE OF INVENTION: and Polynucleotides
; FILE REFERENCE: GP-70744USB
; CURRENT APPLICATION NUMBER: US/09/826,508
; CURRENT FILING DATE: 2001-04-05
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 29
; LENGTH: 1212
; TYPE: DNA
; ORGANISM: HOMO SAPIENS
; US-09-826-508-29
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Query Match      85.6%; Score 15.4; DB 10; Length 1212;
Best Local Similarity 94.1%; Pred. No. 1.4e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY      1 GGCACGACGCTGCGG 17
        ||||| ||||| ||||| |||
Db      816 GGCATCATCAGCTGCGG 832
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RESULT 7
; US-09-895-686-11
; Sequence 11, Application US/09895686
; Patent No. US2002010655A1
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Lai, Preeti
```

```
; APPLICANT: Tang, Y. Tom
; APPLICANT: Baughn, Mariah R.
; TITLE OF INVENTION: HUMAN GPCR PROTEINS
; FILE REFERENCE: PC-0044 CIP
; CURRENT APPLICATION NUMBER: US/09/895,686
; CURRENT FILING DATE: 2001-06-28
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 11
; LENGTH: 1515
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US2002010655A1 2/05201CB1
; US-09-895-686-11
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Query Match      85.6%; Score 15.4; DB 10; Length 1515;
Best Local Similarity 94.1%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY      1 GGCACGACGCTGCGG 17
        ||||| ||||| ||||| |||
Db      862 GGCATCATCAGCTGCGG 878
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RESULT 8
; US-09-826-508-31
; Sequence 31, Application US/09826508
; Patent No. US20010025099A1
; GENERAL INFORMATION:
; APPLICANT: Nabil Elshourbagy
; APPLICANT: Lisa Vawter
; TITLE OF INVENTION: G Protein-Coupled Receptor Polypeptides
; TITLE OF INVENTION: and Polynucleotides
; FILE REFERENCE: GP-70744USB
; CURRENT APPLICATION NUMBER: US/09/826,508
; CURRENT FILING DATE: 2001-04-05
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 31
; LENGTH: 3852
; TYPE: DNA
; ORGANISM: HOMO SAPIENS
; NAME/KEY: UNSURE
; LOCATION: (7)(3091)(3552)
; US-09-826-508-31
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Query Match      85.6%; Score 15.4; DB 10; Length 3852;
Best Local Similarity 94.1%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY      1 GGCACGACGCTGCGG 17
        ||||| ||||| ||||| |||
Db      889 GGCATCATCAGCTGCGG 905
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RESULT 9
; US-09-815-242-6224/C
; Sequence 6224, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; Prokaryotes
```

```
FILE REFERENCE: ELITRA.011A
CURRENT APPLICATION NUMBER: US/09/815,242
CURRENT FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
NUMBER OF SEQ ID NOS: 14110
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 6224
LENGTH: 972
TYPE: DNA
ORGANISM: Escherichia coli
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(972)
US-09-815-242-6224

Query Match      83.3%; Score 15; DB 10; Length 972;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 CCAGCAGCGCTGGCGG 17
DB 331 CCAGCAGCGCTGGCGG 317

RESULT 10
US-09-934-899-9/C
Sequence 9, Application US/09934899
Patent No. US20020102697A1
GENERAL INFORMATION:
APPLICANT: Wang, Siqun
APPLICANT: Wang, Tao
APPLICANT: Koffas, Mattheos
APPLICANT: Odum, J. Martin
APPLICANT: Ye, Rick
TITLE OF INVENTION: Genes encoding exopolysaccharide production
FILE REFERENCE: CL1633 US NA
CURRENT APPLICATION NUMBER: US/09/934,899
CURRENT FILING DATE: 2001-08-22
NUMBER OF SEQ ID NOS: 18
SOFTWARE: Microsoft Office 97
SEQ ID NO 9
LENGTH: 1416
TYPE: DNA
ORGANISM: Methylobionas 16a
US-09-934-899-9

Query Match      83.3%; Score 15; DB 10; Length 1416;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCACACGCTGGC 15
DB 621 GGCACACGCTGGC 607

RESULT 11
US-09-934-868-29/C
Sequence 29, Application US/09934868
Patent No. US20020137190A1
GENERAL INFORMATION:
```

```
APPLICANT: Koffas, Mattheos
APPLICANT: Odum, James M
APPLICANT: Schenzle, Andreas J
TITLE OF INVENTION: DENITRIFYING METHANOTROPHIC BACTERIAL STRAIN
FILE REFERENCE: CL1596 US NA
CURRENT APPLICATION NUMBER: US/09/934,868
CURRENT FILING DATE: 2001-08-22
PRIOR APPLICATION NUMBER: 60/229,858
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 81
SOFTWARE: Microsoft Office 97
SEQ ID NO 29
LENGTH: 1416
TYPE: DNA
ORGANISM: Methylobionas 16a
US-09-934-868-29

Query Match      83.3%; Score 15; DB 10; Length 1416;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCACACGCTGGC 15
DB 621 GGCACACGCTGGC 607

RESULT 12
US-10-137-316-43/C
Sequence 43, Application US/10137316
Publication No. US2003002289A1
GENERAL INFORMATION:
APPLICANT: Young, Paul E.
APPLICANT: Ruben, Steven M.
TITLE OF INVENTION: Vanilloid Receptor-2
FILE REFERENCE: 1488.1110002
CURRENT APPLICATION NUMBER: US/10/137,316
CURRENT FILING DATE: 2002-05-03
PRIOR APPLICATION NUMBER: US 09/132,316
PRIOR FILING DATE: 1998-08-11
NUMBER OF SEQ ID NOS: 67
SOFTWARE: Paten. In Ver. 3.1
SEQ ID NO 43
LENGTH: 294
TYPE: DNA
ORGANISM: Homo sapiens
US-10-137-316-43

Query Match      82.2%; Score 14.8; DB 9; Length 294;
Best Local Similarity 88.9%; Pred. No. 2.8e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GGCACACGCTGGC 18
DB 98 GGCCTGCACGCTGGC 81

RESULT 13
US-09-878-574-1883/C
Sequence 1883, Application US/09878574
Patent No. US20020110548A1
GENERAL INFORMATION:
APPLICANT: Byrum, Joseph R.
APPLICANT: La Rosa, Thomas J.
APPLICANT: Thompson, Michael D.
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
FILE REFERENCE: 38-21(15401)B
CURRENT APPLICATION NUMBER: US/09/878,574
CURRENT FILING DATE: 2001-12-21
PRIOR APPLICATION NUMBER: 09/333,535
PRIOR FILING DATE: 1999-06-14
NUMBER OF SEQ ID NOS: 15775
SEQ ID NO 1883
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LENGTH: 379
TYPE: DNA
ORGANISM: Glycine max
OTHER INFORMATION: Clone ID: LIB3028-031-Q1-B1-G10
US-09-878-574-1883

Query Match 82.2%: Score 14.8; DB 10; Length 379;
Best Local Similarity 88.9%: Pred. No. 2.8e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GGCCAGCAGCTGGCGG 18
||||| |||||
DB 141 GGCCATCATCTGGCGG 124

RESULT 14

US-09-983-965-3881/C
Sequence 3881, Application US/09983965
Patent No. US20020137160A1
GENERAL INFORMATION:
APPLICANT: Warren, Wesley C.
APPLICANT: Tao, Nengbing
APPLICANT: Byatt, John C.
APPLICANT: Mathalagan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
FILE REFERENCE: 37-21(10297)C
CURRENT APPLICATION NUMBER: US/09/983,965
CURRENT FILING DATE: 2001-10-26
PRIOR APPLICATION NUMBER: US 09/465,231
PRIOR FILING DATE: 1999-12-15
PRIOR APPLICATION NUMBER: US 60/113,678
PRIOR FILING DATE: 1998-12-17
NUMBER OF SEQ ID NOS: 5912
SEQ ID NO 3881
LENGTH: 426
TYPE: DNA
ORGANISM: Bos taurus
FEATURE:
OTHER INFORMATION: Clone ID: 50-LIB3058-003-Q1-K1-E6
US-09-983-965-3881

Query Match 82.2%: Score 14.8; DB 10; Length 426;
Best Local Similarity 88.9%: Pred. No. 2.7e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GGCCAGCAGCTGGCGG 18
||||| |||||
DB 236 GGCCAGCGCGCGCGG 219

RESULT 15

US-09-764-877-881
Sequence 881, Application US/09764877
Patent No. US20020147140A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PC005
CURRENT APPLICATION NUMBER: US/09/764,877
CURRENT FILING DATE: 2001-01-17
Prior application data removed - refer to PALM or file wrapper
NUMBER OF SEQ ID NOS: 4031
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 881
LENGTH: 434
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (361)
OTHER INFORMATION: n equals a,t,g, or c
US-09-764-877-881

Query Match 82.2%: Score 14.8; DB 10; Length 434;
Best Local Similarity 81.9%: Pred. No. 2.7e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GGCCAGCAGCTGGCGG 18
||||| |||||
DB 77 GGCCAGCAGCTGGCGG 94

Search completed: February 18, 2003, 07:09:27
Job time : 96.2091 secs

GenCore version 5.1.3
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 16:07:27 ; Search time 26.216 Seconds
(without alignments)
210.565 Million cell updates/sec

Title: US-09-362-485-20

Perfect score: 18
Sequence: 1 CACCCGTCGACACTAA 18

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 982724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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5: /cgn2_6/ptodata/2/lna/PCITUS.COMB.seq:*
6: /cgn2_6/ptodata/2/lna/ackfiles1.seq:*

Pred. No. is the number of results predicted, by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	18	100.0	4403765	4 US-09-103-840A-2	Sequence 2, Appli
2	18	100.0	4411529	4 US-09-103-840A-1	Sequence 1, Appli
3	14.8	82.2	1986	4 US-08-687-590-57	Sequence 57, Appli
4	13.8	76.7	1972	1 US-08-276-887A-12	Sequence 12, Appli
5	13.8	76.7	1364	4 US-09-095-855-204	Sequence 204, App
6	13.8	76.7	1364	4 US-09-205-426-204	Sequence 204, App
7	13.8	76.7	3635	2 US-08-553-436A-5	Sequence 5, Appli
8	13.4	74.4	60	1 US-08-470-958-12	Sequence 12, Appli
9	13.4	74.4	360	1 US-08-321-474-10	Sequence 10, Appli
10	13.4	74.4	1182	6 5198345-23	Patent No. 5198345
11	13.4	74.4	1662	6 5198345-20	Patent No. 5198345
12	13.4	74.4	2854	4 US-08-971-089-3	Sequence 3, Appli
13	13.4	74.4	2915	1 US-07-746-705A-16	Sequence 16, Appli
14	13.4	74.4	2915	1 US-08-380-182-18	Sequence 18, Appli
15	13.4	74.4	3377	6 5198345-16	Patent No. 5198345
16	13.4	74.4	6611	1 US-08-402-282-2	Sequence 2, Appli
17	13.4	74.4	6611	1 US-08-508-004-2	Sequence 2, Appli
18	13.4	74.4	6611	1 US-08-402-066-2	Sequence 2, Appli
19	13.4	74.4	6611	1 US-08-402-066-2	Sequence 2, Appli
20	13.4	74.4	4403765	4 US-09-103-840A-2	Sequence 2, Appli
21	13.2	73.3	661	4 US-09-605-785-624	Sequence 624, App
22	13.2	73.3	661	4 US-09-276-599-12	Sequence 12, App
23	13.2	73.3	3025	1 US-08-444-734A-1	Sequence 1, Appli
24	13.2	73.3	4214	4 US-09-221-017B-293	Sequence 293, App
25	13.2	73.3	6360	4 US-09-171-699-9	Sequence 9, Appli
26	13.2	73.3	6412	4 US-08-652-877-17	Sequence 17, Appli
27	13.2	73.3	6412	4 US-08-476-515A-17	Sequence 17, Appli

28	13.2	73.3	28720	4 US-09-341-587-7	Sequence 7, Appli
29	13	72.2	1245	2 US-09-337-913-2	Sequence 2, Appli
30	13	72.2	1245	2 US-08-750-524-2	Sequence 2, Appli
31	12.8	71.1	582	4 US-09-222-938A-72	Sequence 72, Appli
32	12.8	71.1	1058	4 US-08-818-112-45	Sequence 45, Appli
33	12.8	71.1	1058	4 US-08-818-111-45	Sequence 45, Appli
34	12.8	71.1	1058	4 US-09-056-556-45	Sequence 45, Appli
35	12.8	71.1	1058	4 US-09-072-556-45	Sequence 45, Appli
36	12.8	71.1	1407	4 US-09-193-377B-2	Sequence 2, Appli
37	12.8	71.1	1420	4 US-09-193-377B-4	Sequence 4, Appli
38	12.8	71.1	1428	4 US-09-193-377B-1	Sequence 1, Appli
39	12.8	71.1	1500	4 US-09-193-377B-3	Sequence 3, Appli
40	12.8	71.1	1789	1 US-08-455-543A-29	Sequence 29, Appli
41	12.8	71.1	1789	2 US-08-223-305C-29	Sequence 29, Appli
42	12.8	71.1	1924	2 US-08-756-317-1	Sequence 1, Appli
43	12.8	71.1	1950	3 US-08-911-853-14	Sequence 14, Appli
44	12.8	71.1	1950	4 US-09-479-409-14	Sequence 14, Appli
45	12.8	71.1	1950	4 US-09-479-453-14	Sequence 14, Appli

ALIGNMENTS

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RESULT 1
US-09-103-840A-2/c
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
US-09-103-840A-2
Query Match      100.0%;   Score 18;   DB 4;   Length 4403765;
Best Local Similarity 100.0%;   Pred. No. 0.63;
Matches 18;   Conservative 0;   Mismatches 0;   Indels 0;   Gaps 0;
OY      1 CACCCGTCGACACTAA 18
Db 3082564 CACCCGTCGACACTAA 3082547

RESULT 2
US-09-103-840A-1/c
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; NUMBER OF SEQ ID NOS: 2

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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match      100.0%; Score 18; DB 4; Length 4411529;
Best Local Similarity 100.0%; Pred. No. 0.63;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY      1 CACCCGTTGCGACAGTAA 18
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Db 3087881 CACCCGTTGCGACAGTAA 3087864

RESULT 3
US-08-687-590-57/C
; Sequence 57, Application US/08687590
; Patent No. 6255070
; GENERAL INFORMATION:
; APPLICANT: Willison, Keith Robert
; APPLICANT: Kubota, Hiroshi
; APPLICANT: A-hworth, Alan
; TITLE OF INVENTION: Folding Proteins
; NUMBER OF SEQUENCES: 74
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/687,590
; FILING DATE: 31-JUL-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/GB95/00192
; FILING DATE: 31-JAN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9401791.0
; FILING DATE: 31-JAN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9418234.2
; FILING DATE: 09-SEP-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Bastian, Kevin L.
; REGISTRATION NUMBER: 34,774
; REFERENCE/DOCKET NUMBER: 084619-000000US
; INFORMATION FOR SEQ ID NO: 57:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1986 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 162..1781
US-08-687-590-57

Query Match      82.2%; Score 14.8; DB 4; Length 1986;
Best Local Similarity 88.9%; Pred. No. 17;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY      1 CACCCGTTGCGACAGTAA 18
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Db 1656 CACCCGTTGCGACAGTAA 1639

RESULT 4
US-08-276-887A-12/C
; Sequence 12, Application US/08276887A
; Patent No. 5512478
; GENERAL INFORMATION:
; APPLICANT: Orser, Cindy S. and Xun, Luying
; TITLE OF INVENTION: GENES AND ENZYMES INVOLVED
; TITLE OF INVENTION: IN THE MICROBIAL
; TITLE OF INVENTION: DEGRADATION OF
; TITLE OF INVENTION: PENTACHLOROPHENOL
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ramon A. Kiltzke II
; STREET: One World Trade Center
; STREET: 121 S.W. Salmon Street
; STREET: Suite 1600
; CITY: Portland
; STATE: Oregon
; COUNTRY: United States of America
; ZIP: 97204
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3-1/2 inch
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: MS DOS
; SOFTWARE: Wordperfect 5.1/PC Gene
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/276,887A
; FILING DATE: July 18, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/914,282
; FILING DATE: July 13, 1992
; APPLICATION NUMBER: 07/856,015
; FILING DATE: March 23, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Ramon A. Kiltzke II
; REGISTRATION NUMBER: 30,188
; REFERENCE/DOCKET NUMBER: 2815-36746
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (503) 226-7391
; TELEFAX: (503) 228-9446
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 972 base pairs
; TYPE: Nucleic Acid
; STRANDEDNESS: Double-Stranded
; TOPOLOGY: Linear
; MOLECULE TYPE: Genomic DNA
; DESCRIPTION:
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE:
; ORIGINAL SOURCE:
; ORGANISM: Flavobacterium sp. Strain
; ORGANISM: ATCC 39723
US-08-276-887A-12

Query Match      76.7%; Score 13.8; DB 1; Length 972;
Best Local Similarity 88.2%; Pred. No. 59;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY      1 CACCCGTTGCGACAGTAA 17
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Db 659 CACCCGTTGCGACAGTAA 643

RESULT 5
US-09-095-855-204/C
; Sequence 204, Application US/09095855
; Patent No. 6160093

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GENERAL INFORMATION:
APPLICANT: Tan, Paul
APPLICANT: Visser, Elizabeth
APPLICANT: Skinner, Margot
APPLICANT: Prestidge, Ross
TITLE OF INVENTION: Compounds and Methods for Treatment and Diagnosis of Mycobacterial Infections
NUMBER OF SEQUENCES: 208
CORRESPONDENCE ADDRESS:
ADDRESSEE: Law Offices of Ann W. Speckman
STREET: 2601 Elliott Avenue, Suite 4185
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98121
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/095,855
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/705,347
FILING DATE: 29-AUG-1996
APPLICATION NUMBER: 08/873,970
FILING DATE: 12-JUN-1997
APPLICATION NUMBER: 08/997,362
FILING DATE: 23-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: Sleath, Janet
REGISTRATION NUMBER: 37,007
REFERENCE/DOCKET NUMBER: 11000.1002c3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-269-0565
TELEFAX: 206-269-0563
TELEX:
INFORMATION FOR SEQ ID NO: 204:
SEQUENCE CHARACTERISTICS:
LENGTH: 1364 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-09-095-855-204
Query Match 76.7%; Score 13.8; DB 4; Length 1364;
Best Local Similarity 88.2%; Pred. No. 61;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 CACCCCTTGGACAGTA 17
DB 1191 CACCCCTTGGACAGAA 1175
RESULT 6
US-09-205-426-204/c
Sequence 204, Application US/09205426
Patent No. 6406704
GENERAL INFORMATION:
APPLICANT: Watson, James D.
APPLICANT: Tan, Paul L. J.
TITLE OF INVENTION: Compounds and Methods for Treatment and
TITLE OF INVENTION: Diagnosis of Mycobacterial Infections
FILE REFERENCE: 11000.1002c4
CURRENT APPLICATION NUMBER: US/09/205,426
CURRENT FILING DATE: 1998-12-04
EARLIER APPLICATION NUMBER: 09/095,855
EARLIER FILING DATE: 1998-06-11
EARLIER APPLICATION NUMBER: 08/997,362
EARLIER FILING DATE: 1997-12-23

EARLIER APPLICATION NUMBER: 08/873,970
EARLIER FILING DATE: 1997-06-12
EARLIER APPLICATION NUMBER: 08/705,347
EARLIER FILING DATE: 1996-08-29
NUMBER OF SEQ ID NOS: 208
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 204
LENGTH: 1364
TYPE: DNA
ORGANISM: Mycobacterium vaccae
US-09-205-426-204
Query Match 76.7%; Score 13.8; DB 4; Length 1364;
Best Local Similarity 88.2%; Pred. No. 61;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 CACCCCTTGGACAGTA 17
DB 1191 CACCCCTTGGACAGAA 1175
RESULT 7
US-08-553-436A-5/c
Sequence 5, Application US/0855436A
Patent No. 5866790
GENERAL INFORMATION:
APPLICANT: HESSE, Holger
APPLICANT: MULLER-ROBER, Bernd
TITLE OF INVENTION: DNA SEQUENCES AND PLASMIDS FOR THE
TITLE OF INVENTION: PREPARATION OF SUGAR BEET WITH CHANGED SUCROSE
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Ostlorenk, Faber, Gerb & Soffen
STREET: 1180 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: US
ZIP: 10036-8403
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/553,436A
FILING DATE: 17-NOV-1995
CLASSIFICATION: B00
PRIOR APPLICATION DATA:
APPLICATION NUMBER: P/91/EP94/01671
FILING DATE: 20-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE P 4317596.1
FILING DATE: 24-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Weilman, Edward
REGISTRATION NUMBER: 24,735
REFERENCE/DOCKET NUMBER: P/951-117
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 382-0700
TELEFAX: (212) 382-0888
TELEX: 236925
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 3635 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ORIGINAL SOURCE:
ORGANISM: Beta vulgaris
INDIVIDUAL ISOLATE: Saccharosephosphate Synthase
IMMEDIATE SOURCE:

LIBRARY: phage Janda zap
FEATURE:
NAME/KEY: CDS
LOCATION: 30..3167
US-08-553-436A-5

Query Match 76.7%; Score 13.8; DB 2; Length 3635;
Best Local Similarity 88.2%; Pred. No. 69;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 2 ACCGTTGCGACAGTAA 18
1 | | | | | | | | | | | | | | | | | | | |
Db 2844 ATCCGTTGCGACAGTAA 2828

RESULT 8
US-08-470-958-12/C
Sequence 12, Application US/08470958
Patent No. 5674707

GENERAL INFORMATION:
APPLICANT: HINTZ, WILLIAM E.
APPLICANT: LAGOSKY, PETER A.
TITLE OF INVENTION: PRODUCTION OF HETEROLOGOUS PROTEINS IN
TITLE OF INVENTION: FILAMENTOUS FUNGI
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: NIXON & VANDERHYE
STREET: 8TH FLOOR, 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: USA
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/470,958
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MITCHARD, LEONARD C.
REGISTRATION NUMBER: 29,009
REFERENCE/DOCKET NUMBER: 1459-6
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4100
TELEX: 200797 NXN UR
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 60 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-470-958-12

Query Match 74.4%; Score 13.4; DB 1; Length 60;
Best Local Similarity 93.3%; Pred. No. 72;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 3 CCCGTTGCGACAGTA 17
1 | | | | | | | | | | | | | | | | | | | |
Db 44 CCCGTCGCGACAGTA 30

RESULT 9
US-08-321-474-10/C
Sequence 10, Application US/08321474
Patent No. 5710021
GENERAL INFORMATION:
APPLICANT: Hintz, William E.

APPLICANT: Lajosky, Peter A.
TITLE OF INVENTION: PRODUCTION OF HETEROLOGOUS PROTEINS IN
TITLE OF INVENTION: FILAMENTOUS FUNGI
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Nixon & Vanderhye
STREET: 8th Floor, 1100 No. 5710021th Glebe Road
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/321,474
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/988,778
FILING DATE: 10-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Mitchard, Leonard C.
REGISTRATION NUMBER: 29009
REFERENCE/DOCKET NUMBER: 617-13
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4100
TELEX: 200797 NXN UR
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 360 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-321-474-10

Query Match 74.4%; Score 13.4; DB 1; Length 360;
Best Local Similarity 93.3%; Pred. No. 89;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 3 CCCGTTGCGACAGTA 17
1 | | | | | | | | | | | | | | | | | | | |
Db 164 CCCGTCGCGACAGTA 150

RESULT 10
5198345-23/C
Patent No. 5198345
APPLICANT: GWYNNE, DAVID I.; HUXFORD, FRANCIS P.; DICKETT, MARK H.
DAVIES, ROGER W.; SCAZZOCHIO, CLAUDIO
TITLE OF INVENTION: VECTORS IN USE IN FILAMENTOUS FUNGI
NUMBER OF SEQUENCES: 28
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/811,404
FILING DATE: 20-DEC-1985
SEQ ID NO: 23:
LENGTH: 1182
5198345-23

Query Match 74.4%; Score 13.4; DB 6; Length 1182;
Best Local Similarity 93.3%; Pred. No. 1e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 3 CCCGTTGCGACAGTA 17
1 | | | | | | | | | | | | | | | | | | | |
Db 503 CCCGTCGCGACAGTA 489

RESULT 11

5198345-20/C
; Patent No. 5198345
; APPLICANT: GWYNNE, DAVID I.; BUXTON, FRANCIS P.; PICKETT, MARK H.
; DAVIES, ROGER W.; SCAZZOCCHIO, CLAUDIO
; TITLE OF INVENTION: VECTORS IN USE IN FILAMENTOUS FUNGI
; NUMBER OF SEQUENCES: 28
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/811,404
; FILING DATE: 20-DEC-1985
; SEQ ID NO: 20:
; LENGTH: 1662
5198345-20
Query Match 74.4%; Score 13.4; DB 6; Length 1662;
Best Local Similarity 93.3%; Pred. No. 1.1e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 3 CACCGTTCGACAGTA 17
Db 1178 CCGTGGGACAGTA 1164
RESULT 12
US-08-971-089-3
; Sequence 3, Application US/08971089
; Patent No. 6376174
; GENERAL INFORMATION:
; APPLICANT: Scoles, Daniel R.
; TITLE OF INVENTION: NOCLETIC ACID ENCODING
; TITLE OF INVENTION: SCHWANNOMIN-BINDING-PROTEINS AND PRODUCTS RELATED THERETO
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CAMPBELL & FLORES, LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/971,089
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/030,987
; FILING DATE: 15-NOV-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ramos, Robert T.
; REGISTRATION NUMBER: 37,915
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619)535-9001
; TELEFAX: (619)535-8949
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2854 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 45..2786
; US-08-971-089-3
Query Match 74.4%; Score 13.4; DB 4; Length 2854;
Best Local Similarity 93.3%; Pred. No. 1.1e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 CACCGTTCGACAG 15
Db 62 CACCGTTCGACAG 76
RESULT 13
US-07-746-705A-16
; Sequence 16, Application US/07746705A
; Patent No. 5451516
; GENERAL INFORMATION:
; APPLICANT: Matthews, Benjamin F.
; APPLICANT: Weisemann, Jane M.
; TITLE OF INVENTION: A Recombinant DNA Molecule Encoding
; TITLE OF INVENTION: a Bifunctional Plant Enzyme: Aspartokinase and Homoserine
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Janelle S. Graeler
; STREET: Bldg. 005, Room 402, BARC-W
; CITY: Beltsville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20705
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/746,705A
; FILING DATE: 19910816
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Graeler, Janelle S.
; REGISTRATION NUMBER: 35,024
; REFERENCE/DOCKET INFORMATION: 4000.91
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301)504-5676
; TELEFAX: (301)504-5060
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2915 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2..2593
; US-07-746-705A-16
Query Match 74.4%; Score 13.4; DB 1; Length 2915;
Best Local Similarity 93.3%; Pred. No. 1.1e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 1 CACCGTTCGACAG 15
Db 2423 CACCGTTCGACAG 2437
RESULT 14
US-08-380-182-18
; Sequence 18, Application US/08380182
; Patent No. 5858749
; GENERAL INFORMATION:
; APPLICANT: Matthews, Benjamin F.
; APPLICANT: Weisemann, Jane M.
; TITLE OF INVENTION: A Bifunctional protein from Carrots
; TITLE OF INVENTION: (Daucus carota) with Aspartokinase and Homoserine
; TITLE OF INVENTION: Dehydrogenase Activities

Job time : 1923.22 secs

NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Janelle S. Graeter
STREET: Room 411, Bldg. 005, BARC-W
CITY: Beltsville
STATE: Maryland
COUNTRY: USA
ZIP: 20705
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/380,182
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Graeter, Janelle S.
REGISTRATION NUMBER: 35,024
REFERENCE/DOCKET NUMBER: 0226,94
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-504-6629
TELEFAX: 301-504-5060
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 2915 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Daucus carota
FEATURE:
NAME/KEY: CDS
LOCATION: 2..2593
US-08-380-182-18

Query Match 74.4%; Score 13.4; DB 2; Length 2915;
Best Local Similarity 93.3%; Pred. No. 1.1e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db 2423 CACCCGTTGCGACAG 2437

RESULT 15
5198345-16/c
; Patent No. 5198345
; APPLICANT: GWYNNE, DAVID I.; BUXTON, FRANCIS P.; PICKETT, MARK H.
; DAVIES, ROGER W.; SCAZZOCCHIO, CLAUDIO
; TITLE OF INVENTION: VECTORS IN USE IN FILAMENTOUS FUNGI
; NUMBER OF SEQUENCES: 28
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/811,404
; FILING DATE: 20-DEC-1985
; SEQ ID NO: 16:
; LENGTH: 33.7
5198345-16

Query Match 74.4%; Score 13.4; DB 6; Length 3377;
Best Local Similarity 93.3%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 CCCGTTGCGACAGTA 17
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Db 1176 CCCGTTGCGACAGTA 1162

Search completed: February 18, 2003, 01:47:02

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 21:30:48 : Search time 96.2091 Seconds
(Without alignments)
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Title: US-09-362-485-20

Perfile score: 18

Sequence: 1 CACCCGTTGCGACAGTAA 18

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 424239 seqs, 254661826 residues 848478

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published_Applications_NA:*

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2: /cgn2_6/ptodata/2/pubpna/PC1_NEW_PUB.seq:*
3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
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14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	14.8	82.2	453	10	US-09-960-352-5821	Sequence 5821, App
2	14.8	82.2	571	9	US-09-796-692-5313	Sequence 5313, App
3	14.8	82.2	574	9	US-09-796-692-5204	Sequence 5204, App
4	14.8	82.2	2003	10	US-09-960-253-148	Sequence 148, App
5	14.8	82.2	22889	9	US-09-860-670-144	Sequence 144, App
6	13.8	76.7	1364	9	US-10-051-643-2	Sequence 204, App
7	13.8	76.7	8351	10	US-09-917-800A-1399	Sequence 1399, App
8	13.4	74.4	791	10	US-09-974-300-2154	Sequence 983, App
9	13.4	74.4	1296	9	US-09-954-531-1378	Sequence 1378, App
10	13.4	74.4	1545	9	US-09-741-669-155	Sequence 155, App
11	13.4	74.4	1545	10	US-10-117-604-3	Sequence 3, App1
12	13.4	74.4	2854	9	US-09-893-519A-124	Sequence 124, App
13	13.4	74.4	2898	9	US-09-822-849A-524	Sequence 524, App
14	13.4	74.4	2912	10	US-09-822-849A-524	Sequence 113, App
15	13.4	74.4	3870	10	US-09-712-363-113	Sequence 926, App
16	13.2	73.3	359	10	US-09-878-574-4976	Sequence 4976, App
17	13.2	73.3	392	10	US-09-878-574-4976	Sequence 279, App
18	13.2	73.3	436	10	US-09-925-299-279	Sequence 547, App
19	13.2	73.3	468	10	US-09-917-800A-547	Sequence 547, App

C 20	13.2	73.3	486	10	US-09-974-300-2154	Sequence 3131, App
C 21	13.2	73.3	661	9	US-10-012-896-624	Sequence 624, App
C 22	13.2	73.3	661	9	US-09-895-793-624	Sequence 624, App
C 23	13.2	73.3	661	9	US-09-895-814-624	Sequence 624, App
C 24	13.2	73.3	661	10	US-09-759-143-624	Sequence 624, App
C 25	13.2	73.3	661	10	US-09-780-669-624	Sequence 624, App
C 26	13.2	73.3	661	10	US-09-822-827-624	Sequence 624, App
C 27	13.2	73.3	700	9	US-09-774-639-33	Sequence 141, App
C 28	13.2	73.3	834	10	US-09-764-898-141	Sequence 163, App
C 29	13.2	73.3	897	10	US-09-741-669-163	Sequence 6190, App
C 30	13.2	73.3	897	10	US-09-815-242-6190	Sequence 69, App1
C 31	13.2	73.3	924	10	US-09-764-898-69	Sequence 215, App
C 32	13.2	73.3	1221	10	US-09-741-669-215	Sequence 225, App
C 33	13.2	73.3	1380	10	US-09-974-300-227	Sequence 225, App
C 34	13.2	73.3	1641	9	US-09-738-626-2255	Sequence 2134, App
C 35	13.2	73.3	2009	10	US-09-764-866-2134	Sequence 2139, App
C 36	13.2	73.3	2009	10	US-09-764-866-2139	Sequence 88, App1
C 37	12.8	71.1	300	10	US-09-294-093B-88	Sequence 10775, App
C 38	12.8	71.1	414	10	US-09-783-590-10775	Sequence 49, App1
C 39	12.8	71.1	474	10	US-09-880-107-49	Sequence 8421, App
C 40	12.8	71.1	507	10	US-09-864-761-8421	Sequence 1049, App
C 41	12.8	71.1	534	9	US-09-938-842A-1049	Sequence 14, App1
C 42	12.8	71.1	555	9	US-10-007-270-14	Sequence 12, App1
C 43	12.8	71.1	582	12	US-10-068-080-12	Sequence 237, App
C 44	12.8	71.1	606	10	US-09-741-669-131	Sequence 131, App
C 45	12.8	71.1	606	10	US-09-912-020-232	Sequence 232, App

ALIGNMENTS

RESULT 1

US-09-960-352-5821

Sequence 5821, Application US/09960352

Patent No. US20020137139A1

GENERAL INFORMATION:

APPLICANT: Warren, Wesl, C.

APPLICANT: Tao, Nengph...

APPLICANT: By-It, John C.

APPLICANT: Mathialagan, Neelapann

TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND

TITLE OF INVENTION: MUSCLE AND FAT DEPOSITION

FILE REFERENCE: 16511, 006/37-21(10298)C

CURRENT APPLICATION NUMBER: US/09/960,352

CURRENT FILING DATE: 2001-09-24

NUMBER OF SEQ ID NOS: 15112

SEQ ID NO 5821

LENGTH: 453

TYPE: DNA

ORGANISM: Bos taurus

FEATURE:

NAME/KEY: unsure

LOCATION: (27)...(28),(60),(71),(73),(77),(82)...(83),(130),(133),

LOCATION: (143),(151),(391)

OTHER INFORMATION: unsure at all n locations

OTHER INFORMATION: Clone ID: Z5-LIB3058-036-Q1-K1-G1

US-09-960-352-5821

Query Match 82.2% Score 14.8; DB 10; Length 453;
Best local Similarity 88.9% Pred. No. 18;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CACCCGTTGCGACAGTAA 18
||||| ||||||| |||
DB 341 CACCCGTTGCGACAGTAA 358

RESULT 2

US-09-796-692-5313/C

Sequence 5313, Application US/09796692

Publication No. US20020198362A1

GENERAL INFORMATION:

APPLICANT: Gaiger, Alexander

```
APPLICANT: Algate, Paul A.
APPLICANT: Mannion, Jane
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY
FILE OF INVENTION: HEMATOLOGICAL MALIGNANCIES
FILE REFERENCE: 2077.001200
CURRENT APPLICATION NUMBER: US/09/796,692
PRIOR FILING DATE: 2001-03-01
PRIOR APPLICATION NUMBER: 60/186,126
PRIOR FILING DATE: 2000-03-01
PRIOR APPLICATION NUMBER: 60/190,479
PRIOR FILING DATE: 2000-03-17
PRIOR APPLICATION NUMBER: 60/200,545
PRIOR FILING DATE: 2000-04-27
PRIOR APPLICATION NUMBER: 60/200,303
PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: 60/200,779
PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: 60/200,999
PRIOR FILING DATE: 2000-05-01
PRIOR APPLICATION NUMBER: 60/202,084
PRIOR FILING DATE: 2000-05-04
PRIOR APPLICATION NUMBER: 60/206,201
PRIOR FILING DATE: 2000-05-22
PRIOR APPLICATION NUMBER: 60/218,950
PRIOR FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: 60/222,903
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: 60/223,416
PRIOR FILING DATE: 2000-08-04
PRIOR APPLICATION NUMBER: 60/223,378
PRIOR FILING DATE: 2000-08-07
NUMBER OF SEQ ID NOS: 9597
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 5313
LENGTH: 571
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: unsure
LOCATION: (561)
OTHER INFORMATION: n-A,T,C or G
US-09-796-692-5313

Query Match      82.2%; Score 14.8; DB 9; Length 571;
Best Local Similarity 88.9%; Pred. No. 19;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
OY      1 CACCGTTCGACAGTAA 18
        ||||| ||||| |||
DB      395 CACCTTTGCGACATTAA 378
```

```
RESULT 3
US-09-796-692-5204
Sequence 5204, Application US/09796692
Publication No. US20020198362A1
GENERAL INFORMATION:
APPLICANT: Gaiger, Alexander
APPLICANT: Algate, Paul A.
APPLICANT: Mannion, Jane
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY
FILE OF INVENTION: HEMATOLOGICAL MALIGNANCIES
FILE REFERENCE: 2077.001200
CURRENT APPLICATION NUMBER: US/09/796,692
PRIOR FILING DATE: 2001-03-01
PRIOR APPLICATION NUMBER: 60/186,126
PRIOR FILING DATE: 2000-03-01
PRIOR APPLICATION NUMBER: 60/190,479
PRIOR FILING DATE: 2000-03-17
PRIOR APPLICATION NUMBER: 60/200,545
PRIOR FILING DATE: 2000-04-27
PRIOR APPLICATION NUMBER: 60/200,303
PRIOR FILING DATE: 2000-04-28
```

```
PRIOR APPLICATION NUMBER: 60/200,779
PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: 60/200,999
PRIOR FILING DATE: 2000-05-01
PRIOR APPLICATION NUMBER: 60/202,084
PRIOR FILING DATE: 2000-05-04
PRIOR APPLICATION NUMBER: 60/206,201
PRIOR FILING DATE: 2000-05-22
PRIOR APPLICATION NUMBER: 60/218,950
PRIOR FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: 60/222,903
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: 60/223,416
PRIOR FILING DATE: 2000-08-04
PRIOR APPLICATION NUMBER: 60/223,378
PRIOR FILING DATE: 2000-08-07
NUMBER OF SEQ ID NOS: 9597
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 5204
LENGTH: 574
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: unsure
LOCATION: (120)
OTHER INFORMATION: n-A,T,C or G
NAME/KEY: unsure
LOCATION: (318)
OTHER INFORMATION: n-A,T,C or G
US-09-796-692-5204
```

```
Query Match      82.2%; Score 14.8; DB 9; Length 574;
Best Local Similarity 88.9%; Pred. No. 19;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
OY      1 CACCGTTCGACAGTAA 18
        ||||| ||||| |||
DB      247 CACCTTTGCGACATTAA 264
```

```
RESULT 4
US-09-960-253-148/C
Sequence 148, Application US/09960253
Patent No. US20020123619A1
GENERAL INFORMATION:
APPLICANT: Benson, Darin R.
APPLICANT: Mohamath, Raed J.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
FILE REFERENCE: 210121.556
CURRENT APPLICATION NUMBER: US/09/960,253
PRIOR FILING DATE: 2001-09-20
NUMBER OF SEQ ID NOS: 187
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 148
LENGTH: 2003
TYPE: DNA
ORGANISM: Homo sapiens
US-09-960-253-148
```

```
Query Match      82.2%; Score 14.8; DB 10; Length 2003;
Best Local Similarity 88.9%; Pred. No. 21;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
OY      1 CACCGTTCGACAGTAA 18
        ||||| ||||| |||
DB      1597 CACCTTTGCGACATTAA 1580
```

```
RESULT 5
US-09-860-670-164/C
Sequence 164, Application US/09860670
```

```
Patent No. US20020165137A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
FILE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PA127P1
CURRENT APPLICATION NUMBER: US/09/860,670
CURRENT FILING DATE: 2001-05-21
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 289
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 164
LENGTH: 22889
TYPE: DNA
ORGANISM: Homo sapiens
US-09-860-670-164

Query Match
Best local Similarity 82.2%; Score 14.8; DB 9; Length 22889;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CACCGTTCGACAGTAA 18
    ||||| || |||||
Db 9580 CACCGCTCAGACAGTAA 9563

RESULT 6
US-10-051-643-204/c
Sequence 204, Application US/10051643
Publication No. US20020197265A1
GENERAL INFORMATION:
APPLICANT: Watson, James D.
APPLICANT: Tan, Paul L. J.
TITLE OF INVENTION: Methods and Compounds for the Treatment
TITLE OF INVENTION: of Immunologically-Mediated Diseases of the Respiratory
FILE REFERENCE: 11000,1008c2
CURRENT APPLICATION NUMBER: US/10/051,643
CURRENT FILING DATE: 2002-01-18
PRIOR APPLICATION NUMBER: US09/156,181
PRIOR FILING DATE: 1998-09-17
PRIOR APPLICATION NUMBER: US 08/996,624
PRIOR FILING DATE: 1997-12-23
NUMBER OF SEQ ID NOS: 208
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 204
LENGTH: 1364
TYPE: DNA
ORGANISM: Mycobacterium vaccae
US-10-051-643-204

Query Match
Best local Similarity 76.7%; Score 13.8; DB 9; Length 1364;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CACCGTTCGACAGTAA 17
    ||||| |||||
Db 1191 CACCGCTCGACAGAA 1175

RESULT 7
US-09-917-800A-1399/c
Sequence 1399, Application US/09917800A
GENERAL INFORMATION:
APPLICANT: Mendrick, Donna
APPLICANT: Porter, Mark
APPLICANT: Johnson, Kory
APPLICANT: Castle, Arthur
APPLICANT: Elashoff, Michael
APPLICANT: Gene Logic, Inc.
TITLE OF INVENTION: Molecular Toxicology Modeling
FILE REFERENCE: 44921-5038-US
CURRENT APPLICATION NUMBER: US/09/917,800A
```

```
CURRENT FILING DATE: 2001-07-31
PRIOR APPLICATION NUMBER: US 60/222,040
PRIOR FILING DATE: 2000-07-31
PRIOR APPLICATION NUMBER: US 60/222,880
PRIOR FILING DATE: 2000-11-02
PRIOR APPLICATION NUMBER: US 60/290,029
PRIOR FILING DATE: 2001-05-11
PRIOR APPLICATION NUMBER: US 60/290,645
PRIOR FILING DATE: 2001-05-15
PRIOR APPLICATION NUMBER: US 60/292,336
PRIOR FILING DATE: 2001-05-22
PRIOR APPLICATION NUMBER: US 60/295,798
PRIOR FILING DATE: 2001-06-06
PRIOR APPLICATION NUMBER: US 60/297,457
PRIOR FILING DATE: 2001-06-13
PRIOR APPLICATION NUMBER: US 60/298,884
PRIOR FILING DATE: 2001-06-19
PRIOR APPLICATION NUMBER: US 60/303,459
PRIOR FILING DATE: 2001-07-09
NUMBER OF SEQ ID NOS: 1740
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1399
LENGTH: 8351
TYPE: DNA
ORGANISM: Rattus norvegicus
FEATURE:
OTHER INFORMATION: Genbank Accession No. US20020119462A1 M11794
US-09-917-800A-1399

Query Match
Best local Similarity 76.7%; Score 13.8; DB 10; Length 8351;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ACCCGTTCGACAGTAA 18
    ||||| ||||| |||
Db 7418 ACCCGTTCGACAGTAA 7402

RESULT 8
US-09-974-300-2154/c
Sequence 2154, Application US/09974300
Patent No. US20020146721A1
GENERAL INFORMATION:
APPLICANT: Berka, Randy M.
APPLICANT: Clausen, Ib Groth
TITLE OF INVENTION: Methods for Monitoring Multiple Gene
FILE REFERENCE: 10085,500-US
CURRENT APPLICATION NUMBER: US/09/974,300
CURRENT FILING DATE: 2001-10-05
PRIOR APPLICATION NUMBER: 09/680,598
PRIOR FILING DATE: 2000-10-06
PRIOR APPLICATION NUMBER: 60/279,526
PRIOR FILING DATE: 2001-03-27
NUMBER OF SEQ ID NOS: 8481
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2154
LENGTH: 791
TYPE: DNA
ORGANISM: Bacillus licheniformis
US-09-974-300-2154

Query Match
Best local Similarity 74.4%; Score 13.4; DB 10; Length 791;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CACCGTTCGACAG 15
    ||||| ||||| ||
Db 116 CACCGTTCGACCG 102

RESULT 9
US-09-954-531-983
```

```
; Sequence 983, Application US/09954531
; Patent No. US20020165180A1
; GENERAL INFORMATION:
; APPLICANT: Weaver, Zoe
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cand
; FILE REFERENCE: 689290-77
; CURRENT APPLICATION NUMBER: US/09/954,531
; PRIOR FILING DATE: 2002-05-02
; PRIOR APPLICATION NUMBER: US/60/233,133
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,009
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,034
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,509
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: US/60/234,567
; PRIOR FILING DATE: 2000-09-22
; NUMBER OF SEQ ID NOS: 1392
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 983
; LENGTH: 1296
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-531-983
```

```
Query Match          74.4%: Score 13.4; DB 9; Length 1296;
Best Local Similarity 93.3%: Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
OY      2 ACCCGTTCCGACAGT 16
      ||||| ||||| |||||
Db      933 ACCCGATCGACAGT 947
```

```
RESULT 10
US-09-954-531-1378
; Sequence 1378, Application US/09954531
; Patent No. US20020165180A1
; GENERAL INFORMATION:
; APPLICANT: Weaver, Zoe
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cand
; FILE REFERENCE: 689290-77
; CURRENT APPLICATION NUMBER: US/09/954,531
; PRIOR FILING DATE: 2002-05-02
; PRIOR APPLICATION NUMBER: US/60/233,133
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,009
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,034
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,509
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: US/60/234,567
; PRIOR FILING DATE: 2000-09-22
; NUMBER OF SEQ ID NOS: 1392
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1378
; LENGTH: 1296
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-531-1378
```

```
Query Match          74.4%: Score 13.4; DB 9; Length 1296;
Best Local Similarity 93.3%: Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
OY      2 ACCCGTTCCGACAGT 16
      ||||| ||||| |||||
Db      933 ACCCGATCGACAGT 947
```

```
RESULT 11
US-09-741-669-155
; Sequence 155, Application US/09741669
; Patent No. US20020022718A1
; GENERAL INFORMATION:
; APPLICANT: Forsyth, R. Alllyn
; APPLICANT: Ohlsen, Karl L.
; TITLE OF INVENTION: Genes identified as required for
; FILE REFERENCE: ELITRA.009A
; CURRENT APPLICATION NUMBER: US/09/741,669
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: US 60/173005
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 481
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 155
; LENGTH: 1545
; TYPE: DNA
; ORGANISM: Escherichia coli
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1545)
US-09-741-669-155
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```
Query Match          74.4%: Score 13.4; DB 10; Length 1545;
Best Local Similarity 93.3%: Pred. No. 1.4e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
OY      4 CCGTTCGACAGTAA 18
      ||||| ||||| |||||
Db      1455 CCGTTCGACAGTAA 1469
```

```
RESULT 12
US-10-117-604-3
; Sequence 3, Application US/10117604
; Patent No. US20020168672A1
; GENERAL INFORMATION:
; APPLICANT: Pulst, Stefan M.
; APPLICANT: Scoles, Daniel R.
; TITLE OF INVENTION: NUCLEIC ACID ENCODING
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESS: CAMPBELL & FLORES, LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-POS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/117,604
; FILING DATE: 04-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/971,089
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 60/030,987
; FILING DATE: 15-NOV-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ramos, Robert T.
; REGISTRATION NUMBER: 37,915
; REFERENCE/DOCKET NUMBER: P-CE 2862
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619)535-9001
```

TELEFAX: (619)535-8949
: INFORMATION FOR SEQ ID NO: 3:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 2854 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: both
: TOPOLOGY: both
: MOLECULE TYPE: cDNA
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 45..2786
: SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-117-604-3

Query Match 74.4%: Score 13.4; DB 9; Length 2854;
Best Local Similarity 93.3%: Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CACCGTTGCGACAG 15
|||||
Db 62 CACCGTTGCGACAG 76

RESULT 13
US-09-893-519A-124
: Sequence 124, Application US/09893519A
: Publication No. US20030027243A1
: GENERAL INFORMATION:
: APPLICANT: ANADYS PHARMACEUTICALS, INC.
: APPLICANT: THOMPSON, Craig
: APPLICANT: MOORE, Jeffrey
: APPLICANT: BURMAN, Ed T.
: APPLICANT: BRADLEY, John
: APPLICANT: DESILVA, Thamara
: APPLICANT: HARRIS, Sandra
: APPLICANT: KOMARNITSKY, Svetlana
: APPLICANT: MENDILLO, Marc
: APPLICANT: MOORE, Daniel
: APPLICANT: MCCOY, Melissa
: APPLICANT: SANDERSON, Karen
: APPLICANT: HAO, Tariq
: APPLICANT: ZHU, Shuhao
: APPLICANT: LONG, Fan
: APPLICANT: DAVIDOV, Eugene
: TITLE OF INVENTION: ANTIFUNGAL COMPOUNDS AND METHODS OF USE
: FILE REFERENCE: 0342/1G548-US2
: CURRENT APPLICATION NUMBER: US/09/893,519A
: CURRENT FILING DATE: 2001-06-28
: PRIOR APPLICATION NUMBER: US 60/215,164
: PRIOR FILING DATE: 2000-06-29
: PRIOR APPLICATION NUMBER: US 60/224,457
: PRIOR FILING DATE: 2000-08-10
: NUMBER OF SEQ ID NOS: 146
: SOFTWARE: PatentIn version 3.1
: SEQ ID NO 124
: LENGTH: 2898
: TYPE: DNA
: ORGANISM: Homo sapiens
: PUBLICATION INFORMATION:
: DATABASE ACCESSION NUMBER: Human Genbank/U46025.1
: DATABASE ENTRY DATE: 1999-01-08
: RELEVANT RESIDUES: (1)..(2898)
US-09-893-519A-124

Query Match 74.4%: Score 13.4; DB 9; Length 2898;
Best Local Similarity 93.3%: Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CACCGTTGCGACAG 15
|||||
Db 67 CACCGTTGCGACAG 81

RESULT 14
US-09-822-849A-524/C
: Sequence 524, Application US/09822849A
: Patent No. US20020045170A1
: GENERAL INFORMATION:
: APPLICANT: Wong, Gordon G.
: APPLICANT: Clark, Hilary
: APPLICANT: Rechtel, Kim
: APPLICANT: Agostino, Michael J.
: APPLICANT: Howes, Steven H.
: APPLICANT: Resnick, Richard J.
: APPLICANT: Gulukota, Kamalakar
: APPLICANT: Graham, James R.
: APPLICANT: Genetics Institute, Inc.
: TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
: FILE REFERENCE: GIN 6403
: CURRENT APPLICATION NUMBER: US/09/822,849A
: CURRENT FILING DATE: 2001-09-04
: PRIOR APPLICATION NUMBER: 60/195,582
: PRIOR FILING DATE: 2000-04-06
: NUMBER OF SEQ ID NOS: 508
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 524
: LENGTH: 2912
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-822-849A-524

Query Match 74.4%: Score 13.4; DB 10; Length 2912;
Best Local Similarity 93.4%: Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CACCGTTGCGACAG 15
|||||
Db 2829 CACCGTTGCGACAG 2815

RESULT 15
US-09-712-363-113/C
: Sequence 113, Application US/09712363
: Patent No. US20020164588A1
: GENERAL INFORMATION:
: APPLICANT: Eisenberg, David
: APPLICANT: Rotstein, Sergio H.
: APPLICANT: Marcotte, Edward M.
: TITLE OF INVENTION: DETERMINING THE FUNCTIONS AND
: FILE REFERENCE: 07419-032001
: CURRENT APPLICATION NUMBER: US/09/712,463
: CURRENT FILING DATE: 2000-11-13
: PRIOR APPLICATION NUMBER: 60/179,531
: PRIOR FILING DATE: 2000-01-28
: PRIOR APPLICATION NUMBER: 60/179,531
: PRIOR FILING DATE: 2000-02-01
: PRIOR APPLICATION NUMBER: 60/117,844
: PRIOR FILING DATE: 1999-01-29
: PRIOR APPLICATION NUMBER: 60/118,206,
: PRIOR FILING DATE: 1999-02-01
: PRIOR APPLICATION NUMBER: 60/126,593
: PRIOR FILING DATE: 1999-03-26
: PRIOR APPLICATION NUMBER: 60/134,093
: PRIOR FILING DATE: 1999-05-14
: PRIOR APPLICATION NUMBER: 60/134,092
: PRIOR FILING DATE: 1999-05-14
: PRIOR APPLICATION NUMBER: 60/165,124
: PRIOR FILING DATE: 1999-11-12
: PRIOR APPLICATION NUMBER: 60/165,086
: PRIOR FILING DATE: 1999-11-12
: NUMBER OF SEQ ID NOS: 292
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 113
: LENGTH: 3870
: TYPE: DNA

: ORGANISM: Mycobacterium tuberculosis
US-09-712-363-113

Query Match 74.4%; Score 13.4; DB 9; Length 3870;
Best Local Similarity 93.3%; Pred. No. 1.5e+02;
Matches 14: Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CACCCGTTGGACAG 15
|||||
Db 1152 CACCCGTTGGCCAG 1138

Search completed: February 18, 2003, 07:09:32
Job time : 101.209 secs

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 16:07:27 : Search time 26.216 Seconds

(without alignments)
210.565 Million cell updates/sec

Title: US-09-362-485-21

Perfect score: 18
Sequence: 1 CGCGCGCGACATCATCCG 18

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents.NA.*
1: /cgn2_6/ptodata/2/ina/5A.COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B.COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A.COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCITUS.COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfilest.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	18	100.0	4403765	4 US-09-103-840A-2	Sequence 2, Appli
C 2	18	100.0	4411529	4 US-09-103-840A-1	Sequence 1, Appli
3	16	88.9	1155	4 US-08-818-112-12	Sequence 12, Appli
4	16	88.9	1155	4 US-08-818-111-12	Sequence 12, Appli
5	16	88.9	1155	4 US-09-056-556-12	Sequence 12, Appli
6	16	88.9	1155	4 US-09-072-596-12	Sequence 12, Appli
C 7	15	83.3	6317	1 US-08-920-812-21	Sequence 21, Appli
C 8	15	83.3	6317	1 US-08-920-827-21	Sequence 21, Appli
C 9	15	83.3	6317	1 US-08-921-177-21	Sequence 21, Appli
C 10	15	83.3	6317	1 US-08-362-577C-21	Sequence 21, Appli
C 11	15	83.3	6317	2 US-08-920-828-21	Sequence 21, Appli
C 12	14.8	82.2	1185	2 US-08-628-039-9	Sequence 9, Appli
C 13	14.8	82.2	1185	2 US-08-912-205-9	Sequence 9, Appli
C 14	14.8	82.2	1185	4 US-09-440-400-9	Sequence 9, Appli
C 15	14.8	82.2	1185	4 US-09-177-650-1	Sequence 9, Appli
16	14.8	82.2	3232	4 US-09-177-650-95	Sequence 95, Appli
17	14.8	82.2	3232	4 US-08-809-740A-1	Sequence 1, Appli
18	14.8	82.2	3252	2 US-08-809-740A-4	Sequence 1, Appli
19	14.8	82.2	3252	4 US-09-105-058C-19	Sequence 19, Appli
C 20	14.8	82.2	33529	4 US-09-144-085-3	Sequence 3, Appli
C 21	14.8	80.0	1211	4 US-09-221-017B-651	Sequence 651, App
22	14.4	80.0	2544	4 US-09-235-451-33	Sequence 33, Appli
23	14.4	80.0	3463	4 US-09-533-220A-1	Sequence 1, Appli
24	14.4	80.0	3500	4 US-09-197-636-7	Sequence 7, Appli
25	14.4	80.0	4803	4 US-09-197-636-1	Sequence 1, Appli
26	14.4	80.0	4803	4 US-09-197-636-3	Sequence 3, Appli
27	14.4	80.0	4803	4 US-09-197-636-3	Sequence 3, Appli

28	14.4	80.0	6575	3 US-08-949-386-3	Sequence 3, Appli
29	14.4	80.0	6575	3 US-08-450-562-3	Sequence 3, Appli
30	14.4	80.0	6575	4 US-08-984-709A-3	Sequence 3, Appli
31	14.4	80.0	6575	4 US-08-450-272-3	Sequence 36, Appli
32	14.4	80.0	6725	3 US-08-949-386-36	Sequence 36, Appli
33	14.4	80.0	6725	3 US-08-450-562-36	Sequence 36, Appli
34	14.4	80.0	6725	4 US-08-984-709A-36	Sequence 36, Appli
35	14.4	80.0	6725	4 US-08-450-272-36	Sequence 36, Appli
C 36	14.4	80.0	11219	3 US-07-642-734C-1	Sequence 1, Appli
C 37	14.4	80.0	11219	3 US-08-439-009A-1	Sequence 1, Appli
38	14.4	80.0	38155	4 US-09-453-702B-79	Sequence 79, Appli
39	14	77.8	4131	1 US-08-485-588-4	Sequence 4, Appli
40	14	77.8	4131	1 US-08-484-585-4	Sequence 4, Appli
41	14	77.8	4131	2 US-08-480-751-4	Sequence 4, Appli
42	14	77.8	4131	3 US-08-943-986-4	Sequence 4, Appli
43	14	77.8	4131	3 US-08-353-784-4	Sequence 4, Appli
44	14	77.8	4131	3 US-08-484-719B-4	Sequence 4, Appli
45	14	77.8	4131	4 US-08-484-159-4	Sequence 4, Appli

ALIGNMENTS

```
RESULT 1
US-09-103-840A-2/c
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
US-09-103-840A-2
;
Query Match          100.0%; Score 18; DB 4; Length 4403765;
Best Local Similarity 100.0%; Pred. No. 3.2;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CGCGCGCGACATCATCCG 18
DB 3082678 CGCGCGCGACATCATCCG 3082661
RESULT 2
US-09-103-840A-1/c
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
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SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 4411529
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match 100.0%; Score 18; DB 4; Length 4411529;
Best Local Similarity 100.0%; Pred. No. 3.2;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGCGCGGCACATCATCGC 18
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DB 3087995 CGCGCGGCACATCATCGC 3087978

RESULT 3
US-08-818-112-12
Sequence 12, Application US/08818112
Patent No. 6290969
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Dillon, Davin C.
APPLICANT: Campos-Neto, Antonio
APPLICANT: Houghton, Raymond
APPLICANT: Vedvick, Thomas S.
APPLICANT: Twardzik, Daniel R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF TUBERCULOSIS
NUMBER OF SEQUENCES: 153
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/818,112
FILING DATE: 13-MAR-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.411C6
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 1155 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-818-112-12

Query Match 88.9%; Score 16; DB 4; Length 1155;
Best Local Similarity 100.0%; Pred. No. 36;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGCGCGGCACATCATC 16
|||||
DB 806 CGCGCGGCACATCATC 821

RESULT 4

US-08-818-111-12
Sequence 12, Application US/08818111
Patent No. 6338852
GENERAL INFORMATION:

APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Dillon, Davin C.
APPLICANT: Campos-Neto, Antonio
APPLICANT: Houghton, Raymond
APPLICANT: Vedvick, Thomas S.
APPLICANT: Twardzik, Daniel R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
NUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/818,111
FILING DATE: 13-MAR-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C6
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 1155 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-818-111-12

Query Match 88.9%; Score 16; DB 4; Length 1155;
Best Local Similarity 100.0%; Pred. No. 36;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGCGCGGCACATCATC 16
|||||
DB 806 CGCGCGGCACATCATC 821

RESULT 5
US-09-056-556-12
Sequence 12, Application US/09056556
Patent No. 6350456
GENERAL INFORMATION:

APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Dillon, Davin C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE PREVENTION AND
NUMBER OF SEQUENCES: 241
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/09/056,556
APPLICATION NUMBER: US/09/056,556
FILING DATE: 07-APR-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.457
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 1155 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-056-556-12

Query Match 88.9%: Score 16; DB 4; Length 1155;
Best Local Similarity 100.0%: Pred. No. 36;
Matches 16: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CGCGCGCAGCATCATC 16
|||||
DB 806 CGCGCGCAGCATCATC 821

RESULT 6
US-09-072-596-12
Sequence 12, Application US/09072596
Patent No. 6458366
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Dillon, Davin C.
APPLICANT: Campos-Neto, Antonia
APPLICANT: Houghton, Raymond
APPLICANT: Vedajick, Thomas S.
APPLICANT: Twardzik, Daniel R.
APPLICANT: Lodes, Michael J.
APPLICANT: Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
NUMBER OF SEQUENCES: 350
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/072,596
FILING DATE: 05-MAY-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 1155 base pairs
TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: linear
US-09-072-596-12

Query Match 88.9%: Score 16; DB 4; Length 1155;
Best Local Similarity 100.0%: Pred. No. 36;
Matches 16: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CGCGCGCAGCATCATC 16
|||||
DB 806 CGCGCGCAGCATCATC 821

RESULT 7
US-08-920-812-21/c
Sequence 21, Application US/08920812
Patent No. 5763188
GENERAL INFORMATION:
APPLICANT: Ohno, Tsuneya
APPLICANT: Matsuhisa, Akio
APPLICANT: Uehara, Hirotsugu
APPLICANT: Eda, Soji
TITLE OF INVENTION: Probe for Diagnosing Infectious Disease
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/920,812
FILING DATE: 29-AUG-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/362,577
FILING DATE: 27-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Rih-Lautes, Li-Hsien
REGISTRATION NUMBER: 41,547
REFERENCE/DOCKET NUMBER: 19036/32420
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6400
TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 6317 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
ORIGINAL SOURCE:
ORGANISM: Enterobacter cloacae
STRAIN: Clinical isolate ET-12
US-08-920-812-21

Query Match 83.3%: Score 15; DB 1; Length 6317;
Best Local Similarity 100.0%: Pred. No. 99;
Matches 15: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 CGCGCGCAGCATCATC 16
|||||
DB 6178 CGCGCGCAGCATCATC 6164

RESULT 8

US-08-920-827-21/c
; Sequence 21, Application US/08920827
; Patent No. 5770375
; GENERAL INFORMATION:
; APPLICANT: Ohno, Tsuneya
; APPLICANT: Matsuhisa, Akio
; APPLICANT: Uehara, Hirotsugu
; APPLICANT: Eda, Soji
; TITLE OF INVENTION: Probe for Diagnosing Infectious Disease
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/920,827
; FILING DATE: 29-AUG-1997
; CLASSIFICATION: 435
; PRIORITY INFORMATION:
; PRIORITY NUMBER: US 08/362,577
; FILING DATE: 27-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Rin-Laures, Li-Hsien
; REGISTRATION NUMBER: 33,547
; REFERENCE/DOCKET NUMBER: 19036/32420
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6317 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
; ORIGINAL SOURCE:
; ORGANISM: Enterobacter cloacae
; STRAIN: Clinical Isolate ET-12
; US-08-920-827-21

Query Match 83.3%; Score 15; DB 1; Length 6317;
Best Local Similarity 100.0%; Pred. No. 99;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GCGGCCGACATCATC 16
|||||
DB 6178 GCGGCCGACATCATC 6164

RESULT 9
US-08-921-177-21/c
; Sequence 21, Application US/08921177
; Patent No. 5798211
; GENERAL INFORMATION:
; APPLICANT: Ohno, Tsuneya
; APPLICANT: Matsuhisa, Akio
; APPLICANT: Uehara, Hirotsugu
; APPLICANT: Eda, Soji
; TITLE OF INVENTION: Probe for Diagnosing Infectious Disease
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago

STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/921,177
FILING DATE: 29-AUG-1997
CLASSIFICATION: 435
PRIORITY INFORMATION:
PRIORITY NUMBER: US 08/362,577
FILING DATE: 27-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Rin-Laures, Li-Hsien
REGISTRATION NUMBER: 33,547
REFERENCE/DOCKET NUMBER: 19036/32420
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 6317 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
ORIGINAL SOURCE:
ORGANISM: Enterobacter cloacae
STRAIN: Clinical Isolate ET-12
US-08-921-177-21

Query Match 83.3%; Score 15; DB 1; Length 6317;
Best Local Similarity 100.0%; Pred. No. 99;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GCGGCCGACATCATC 16
|||||
DB 6178 GCGGCCGACATCATC 6164

RESULT 10
US-08-362-577C-21/c
; Sequence 21, Application US/08362577C
; Patent No. 5807673
; GENERAL INFORMATION:
; APPLICANT: Ohno, Tsuneya
; APPLICANT: Matsuhisa, Akio
; APPLICANT: Uehara, Hirotsugu
; APPLICANT: Eda, Soji
; TITLE OF INVENTION: Probe for Diagnosing Infectious Disease
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/362,577C
; FILING DATE: 27-MAR-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Rin-Laures, Li-Hsien

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:      REGISTRATION NUMBER: 33,547
:      REFERENCE/DOCKET NUMBER: 19036/32420
:      TELECOMMUNICATION INFORMATION:
:      TELEPHONE: 312/474-6300
:      TELEFAX: 312/474-0448
:      TELEX: 25-3856
:      INFORMATION FOR SEQ ID NO: 21:
:      SEQUENCE CHARACTERISTICS:
:      LENGTH: 6317 base pairs
:      TYPE: nucleic acid
:      STRANDEDNESS: double
:      TOPOLOGY: linear
:      MOLECULE TYPE: Genomic DNA
:      ORGANISM: Enterobacter cloacae
:      STRAIN: Clinical isolate ET-12
:      US-08-362-577-C-21

Query Match      83.3%; Score 15; DB 1; Length 6317;
Best Local Similarity 100.0%; Pred. No. 99;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 GCGGCCGACATCAGC 16
        |||
Db      6178 GCGGCCGACATCAGC 6164

RESULT 11
US-08-920-828-21/C
: Sequence 21, Application US/08920828
: Patent No. 5853998
: GENERAL INFORMATION:
: APPLICANT: Ohno, Tsuneya
: APPLICANT: Matsuhisa, Akio
: APPLICANT: Uehara, Hirotsugu
: APPLICANT: Eda, Soji
: TITLE OF INVENTION: Probe for Diagnosing Infectious Disease
: NUMBER OF SEQUENCES: 25
: CORRESPONDENCE ADDRESS:
: ADDRESSER: Marshall, O'Toole, Gerstein, Murray & Borun
: STREET: 6300 Sears Tower, 233 South Wacker Drive
: CITY: Chicago
: STATE: Illinois
: COUNTRY: United States of America
: ZIP: 60606-6402
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/920,828
: FILING DATE: 29-AUG-1997
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/362,577
: FILING DATE: 27-MAR-1995
: ATTORNEY/AGENT INFORMATION:
: NAME: Rin-Laures, Li-Hsien
: REGISTRATION NUMBER: 33,547
: REFERENCE/DOCKET NUMBER: 19036/32420
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 312/474-6300
: TELEFAX: 312/474-0448
: TELEX: 25-3856
: INFORMATION FOR SEQ ID NO: 21:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 6317 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: Genomic DNA
: ORIGINAL SOURCE:
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:      ORGANISM: Enterobacter cloacae
:      STRAIN: Clinical isolate ET-12
:      US-08-920-828-21

Query Match      83.3%; Score 15; DB 2; Length 6317;
Best Local Similarity 100.0%; Pred. No. 99;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 GCGGCCGACATCAGC 16
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Db      6178 GCGGCCGACATCAGC 6164

RESULT 12
US-09-177-650-114
: Sequence 114, Application US/09177650
: Patent No. 6413719
: GENERAL INFORMATION:
: APPLICANT: Leppert, Mark F.
: APPLICANT: Singh, Nanda
: APPLICANT: Charlier, Carole
: TITLE OF INVENTION: KCNO2 AND KCNO3 - POTASSIUM CHANNEL GENES WHICH ARE
: TITLE OF INVENTION: MUTATED IN BENIGN FAMILIAL NEONATAL CONVULSIONS (BFNC)
: FILE REFERENCE: 2323-134
: CURRENT APPLICATION NUMBER: US/09/177,650
: CURRENT FILING DATE: 1998-10-23
: EARLIER APPLICATION NUMBER: 60/063,147
: EARLIER FILING DATE: 1997-10-24
: NUMBER OF SEQ ID NOS: 129
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 114
: LENGTH: 636
: TYPE: DNA
: ORGANISM: Homo sapiens
: US-09-177-650-114

Query Match      82.2%; Score 14.8; DB 4; Length 636;
Best Local Similarity 98.9%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GCGGCCGACATCAGCC 18
        |||
Db      427 GCGGCCGACATCAGCC 444

RESULT 13
US-08-628-039-9/C
: Sequence 9, Application US/08628039
: Patent No. 5942660
: GENERAL INFORMATION:
: APPLICANT: Gruys, Kenneth J.
: APPLICANT: Mitsky, Timothy A.
: APPLICANT: Kishore, Ganesh M.
: APPLICANT: Slater, Steven C.
: APPLICANT: Padgett, Stephen R.
: APPLICANT: Stark, David M.
: APPLICANT: Hincee, Maud A. W.
: APPLICANT: Clemente, Thomas E.
: APPLICANT: Connor-Ward, Dannelle V.
: APPLICANT: Fedele, Mary J.
: APPLICANT: Fry, Joyce E.
: APPLICANT: Howe, Arlene R.
: APPLICANT: Kozman, Renee J.
: TITLE OF INVENTION: Methods of Optimizing Substrate Pools and
: TITLE OF INVENTION: Biosynthesis of Poly-B-hydroxybutyrate-co-poly-B-hydroxyval
: NUMBER OF SEQUENCES: 11
: CORRESPONDENCE ADDRESS:
: ADDRESSER: Gary M. Bond, Monsanto Company, A35B
: STREET: 800 No. 5942660th Lindbergh Boulevard
: CITY: St. Louis
: STATE: Missouri
```

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? COUNTRY: USA
? ZIP: 63167
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patentin Release #1.0, Version #1.30
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/628,039
? FILING DATE:
? CLASSIFICATION: 435
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER:
? ATTORNEY/AGENT INFORMATION:
? NAME: Bond, Gary
? REGISTRATION NUMBER: 29,283
? REFERENCE/DOCKET NUMBER: 38-21(13585)A
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (314)694-3412
? TELEFAX: (314)695-5435
? INFORMATION FOR SEQ ID NO: 9:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 1185 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: double
? TOPOLOGY: Linear
? MOLECULE TYPE: DNA (genomic)
? US-08-628-039-9
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? Query Match 82.2%: Score 14.8; DB 2; Length 1185;
? Best Local Similarity 88.9%: Pred. No. 1.3e+02;
? Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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? Db 154 CGTGCCGACATCGTCGC 137
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? RESULT 14
? US-08-912-205-9/C
? Sequence 9, Application US/08912205
? Patent No. 6091002
? GENERAL INFORMATION:
? APPLICANT: Astrar, Jawed
? APPLICANT: Misky, Timothy A.
? APPLICANT: Shah, Devang T.
? TITLE OF INVENTION: Polyhydroxyalkanoates of narrow molecular
? weight distribution prepared in transgenic plants
? NUMBER OF SEQUENCES: 11
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/912,205
? FILING DATE:
? CLASSIFICATION:
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/673,388
? FILING DATE: 28-JUN-1996
? INFORMATION FOR SEQ ID NO: 9:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 1185 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: double
? TOPOLOGY: Linear
? MOLECULE TYPE: DNA (genomic)
? US-08-912-205-9
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? Query Match 82.2%: Score 14.8; DB 3; Length 1185;
? Best Local Similarity 88.9%: Pred. No. 1.3e+02;

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? Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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? 11111111111111111111
? Db 154 CGTGCCGACATCGTCGC 137
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? RESULT 15
? US-09-440-400-9/C
? Sequence 9, Application US/09440400
? Patent No. 6228623
? GENERAL INFORMATION:
? APPLICANT: Astrar, Jawed
? APPLICANT: Misky, Timothy A.
? APPLICANT: Shah, Devang T.
? TITLE OF INVENTION: Polyhydroxyalkanoates of narrow molecular
? weight distribution prepared in transgenic plants
? NUMBER OF SEQUENCES: 11
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/09/440,400
? FILING DATE:
? CLASSIFICATION:
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: 08/912,205
? FILING DATE:
? INFORMATION FOR SEQ ID NO: 9:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 1185 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: double
? TOPOLOGY: Linear
? MOLECULE TYPE: DNA (genomic)
? US-09-440-400-9
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? Query Match 82.2%: Score 14.8; DB 4; Length 1185;
? Best Local Similarity 88.9%: Pred. No. 1.3e+02;
? Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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? QY 1 CGCGCCGACATCATCGC 18
? 11111111111111111111
? Db 154 CGTGCCGACATCGTCGC 137
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? Search completed: February 18, 2003, 02:18:22
? Job time : 1906.22 secs

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GenCore version 5.1.3
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 21:30:48 ; Search time 96.2091 Seconds
(without alignments)
95.291 Million cell updates/sec

Title: US-09-362-485-21

Perfect score: 18 CGCGGCCGACATCATGCC 18

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 424239 seqs, 254661826 residues

Total number of hits satisfying chosen parameters: 848478

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	15.4	85.6	2842	9	US-09-849-626-1800
4	15.4	85.6	2842	10	US-09-986-632-7
5	14.8	82.2	147	10	US-09-969-373-1.8
6	14.8	82.2	600	9	US-09-938-842A-1176
7	14.8	82.2	687	10	US-09-780-717-30
8	14.8	82.2	1185	9	US-09-364-847-52
9	14.8	82.2	1185	9	US-09-942-891-9
10	14.8	82.2	1214	10	US-09-780-717-28
11	14.8	82.2	1275	9	US-09-894-844-112
12	14.8	82.2	1422	10	US-09-974-300-2024
13	14.8	82.2	1929	9	US-09-364-847-58
14	14.8	82.2	1929	9	US-09-364-847-60
15	14.8	82.2	2088	9	US-09-738-626-1759
16	14.8	82.2	3287	9	US-10-128-870-19
17	14.4	80.0	350	10	US-09-974-300-3119
18	14.4	80.0	932	12	US-10-078-929-65
19	14.4	80.0	2139	10	US-09-815-242-9961

20	14.4	80.0	2568	10	US-09-815-242-7832	Sequence 7832, Ap
21	14.4	80.0	3285	10	US-09-833-381-877	Sequence 877, Ap
22	14.4	80.0	3463	9	US-10-128-853-1	Sequence 1, Appl1
23	14.4	80.0	3500	10	US-09-824-258-7	Sequence 7, Appl1
24	14.4	80.0	4803	10	US-09-824-258-1	Sequence 3, Appl1
25	14.4	80.0	4803	10	US-09-824-258-3	Sequence 79, Appl1
26	14.4	80.0	38155	9	US-10-114-170-79	Sequence 19660, A
27	14	77.8	315	10	US-09-864-761-19660	Sequence 1527, Ap
28	14	77.8	630	10	US-09-867-550-1527	Sequence 532, Ap
29	14	77.8	916	10	US-09-974-300-532	Sequence 229, Ap
30	14	77.8	1365	10	US-09-974-300-229	Sequence 247, Ap
31	14	77.8	7808	9	US-10-114-170-247	Sequence 28283, A
32	13.8	76.7	148	10	US-09-864-761-28283	Sequence 2834, Ap
33	13.8	76.7	235	10	US-09-923-876-2834	Sequence 2480, Ap
34	13.8	76.7	236	10	US-09-923-876-2480	Sequence 2055, Ap
35	13.8	76.7	244	10	US-09-923-876-2055	Sequence 5907, Ap
36	13.8	76.7	246	10	US-09-923-876-5907	Sequence 938, Ap
37	13.8	76.7	249	10	US-09-923-876-938	Sequence 1701, Ap
38	13.8	76.7	250	10	US-09-923-876-1701	Sequence 1020, Ap
39	13.8	76.7	253	10	US-09-923-876-1020	Sequence 5872, Ap
40	13.8	76.7	264	10	US-09-923-876-2272	Sequence 2272, Ap
41	13.8	76.7	270	10	US-09-923-876-5829	Sequence 1959, Ap
42	13.8	76.7	272	10	US-09-878-574-1959	Sequence 437, Ap
43	13.8	76.7	322	10	US-09-878-574-437	Sequence 132, Ap
44	13.8	76.7	392	10	US-09-878-574-437	
45	13.8	76.7	402	9	US-09-712-363-132	

ALIGNMENTS

RESULT 1
US-09-736-457-1800
Sequence 1800, Application US/09736457
Patent No. US20020168637A
GENERAL INFORMATION:
APPLICANT: Wanji, Jionglong
APPLICANT: Banqur, Chaitanya S.
APPLICANT: Lodes, Michael A.
APPLICANT: Fanger, Gary
APPLICANT: Vedvick, Tom
APPLICANT: Carter, Darriack
APPLICANT: Retter, Marc
APPLICANT: Mannion, Jane
APPLICANT: Fan, Liqun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.478C15
CURRENT APPLICATION NUMBER: US/09/736,457
CURRENT FILING DATE: 2000-12-13
NUMBER OF SEQ ID NOS: 1864
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1800
LENGTH: 2842
TYPE: DNA
ORGANISM: Homo sapiens
US-09-736-157-1800
Query Match 85.6%; Score 15.4; DB 9; Length 2842;
Best Local Similarity 94.1%; Pred. No. 43;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 2 CGCGGCCGACATCATGCC 18
Db 928 CGCGGCCGACATCATGCC 944
RESULT 2
US-09-902-941-1800
Sequence 1800, Application US/09902941
Patent No. US20020172952A1
GENERAL INFORMATION:

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; LENGTH: 1214
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (124)...(810)
US-09-780-717-28

Query Match
Best Local Similarity 82.2%; Score 14.8; DB 10; length 1214;
Best Local Similarity 88.9%; Pred. No. 86;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGCGCGCCGACATCATCGC 18
Db 768 CGCGCTCGACATCATCGC 785

RESULT 11
US-09-894-844-112
; Sequence 112, Application US/09894844
; Patent No. US20020176873A1
; GENERAL INFORMATION:
; APPLICANT: Behr, Marcel
; APPLICANT: Small, Peter
; APPLICANT: Schoolnik, Gary
; APPLICANT: Wilson, Michael A.
; TITLE OF INVENTION: Molecular Differences Between Species of
; FILE REFERENCE: STANI02CON
; CURRENT APPLICATION NUMBER: US/09/894,844
; CURRENT FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: 09/318,191
; PRIOR FILING DATE: 1999-05-25
; PRIOR APPLICATION NUMBER: 60/097,936
; PRIOR FILING DATE: 1998-08-25
; NUMBER OF SEQ ID NOS: 137
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 112
; LENGTH: 1275
; TYPE: DNA
; ORGANISM: M. tuberculosis
US-09-894-844-112

Query Match
Best Local Similarity 82.2%; Score 14.8; DB 9; length 1275;
Best Local Similarity 88.9%; Pred. No. 86;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGCGCGCCGACATCATCGC 18
Db 816 CGCGCGCCGACATCATCGC 833

RESULT 12
US-09-974-300-2024/c
; Sequence 2024, Application US/09974300
; Patent No. US20020146721A1
; GENERAL INFORMATION:
; APPLICANT: Berka, Randy M.
; APPLICANT: Clausen, ID Groth
; TITLE OF INVENTION: Methods for Monitoring Multiple Gene
; FILE REFERENCE: 10085,500-US
; CURRENT APPLICATION NUMBER: US/09/974,300
; CURRENT FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: 09/680,598
; PRIOR FILING DATE: 2000-10-06
; PRIOR APPLICATION NUMBER: 60/279,526
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 8481
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2024
; LENGTH: 1422
; TYPE: DNA
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; ORGANISM: Bacillus licheniformis
US-09-974-300-2024

Query Match
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Best Local Similarity 88.9%; Pred. No. 86;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGCGCGCCGACATCATCGC 18
Db 206 CGCGCTCATATCATCGC 189

RESULT 13
US-09-364-847-58/c
; Sequence 58, Application US/09364847
; Patent No. US20020173019A1
; GENERAL INFORMATION:
; APPLICANT: Peoples, Oliver P
; APPLICANT: Madison, Lara L
; APPLICANT: Huisman, Gjalb W
; TITLE OF INVENTION: Enzymes for Biopolymer Production
; FILE REFERENCE: MBX 030
; CURRENT APPLICATION NUMBER: US/09/364,847
; CURRENT FILING DATE: 1999-07-30
; EARLIER APPLICATION NUMBER: 60/094,674
; EARLIER FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 58
; LENGTH: 1929
; TYPE: DNA
; ORGANISM: Ralstonia eutropha
; FEATURE:
; NAME/KEY: gene
; LOCATION: (1)..(1929)
; OTHER INFORMATION: bklb-linker-phbB fusion gene
US-09-364-847-58

Query Match
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Best Local Similarity 88.9%; Pred. No. 86;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGCGCGCCGACATCATCGC 18
Db 154 CGCGCGCCGACATCATCGC 147

RESULT 14
US-09-364-847-60/c
; Sequence 60, Application US/09364847
; Patent No. US20020173019A1
; GENERAL INFORMATION:
; APPLICANT: Peoples, Oliver P
; APPLICANT: Madison, Lara L
; APPLICANT: Huisman, Gjalb W
; TITLE OF INVENTION: Enzymes for Biopolymer Production
; FILE REFERENCE: MBX 030
; CURRENT APPLICATION NUMBER: US/09/364,847
; CURRENT FILING DATE: 1999-07-30
; EARLIER APPLICATION NUMBER: 60/094,674
; EARLIER FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 60
; LENGTH: 1929
; TYPE: DNA
; ORGANISM: Ralstonia eutropha
; FEATURE:
; NAME/KEY: gene
; LOCATION: (1)..(1929)
; OTHER INFORMATION: phbB-linker-bktB fusion gene
US-09-364-847-60
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Query Match 82.2%; Score 14.8; DB 9; Length 1929;
Best Local Similarity 88.9%; Pred. No. 86;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGCGCGCGACATCATCGC 18
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db 898 CGTGGCGCGACATCGTCGC 881

RESULT 15

US-09-738-626-1759
; Sequence 1759, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAOKO
; APPLICANT: SENOH, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO: 1759
; LENGTH: 2088
; TYPE: DNA
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-1759

Query Match 82.2%; Score 14.8; DB 9; Length 2088;
Best Local Similarity 88.9%; Pred. No. 86;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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db 765 CGACGCGCGACATCATCGC 782

Search completed: February 18, 2003, 07:09:33
Job time : 97.2091 secs

GenCore version 5.1.3
Copyright (c) 1993 - 2003 CompuGen Ltd.

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Title: US-09-362-485-22

Perfect score: 20

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Post-processing: Minimum Match 0%

Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	20	100.0	4411529	4 US-09-103-840A-1	Sequence 1, Appli
3	16.8	84.0	4411529	4 US-09-103-840A-1	Sequence 1, Appli
4	16.4	82.0	33529	4 US-09-144-085-3	Sequence 3, Appli
5	15.2	76.0	2758	4 US-09-221-017B-441	Sequence 441, App
6	15.2	76.0	8501	3 US-08-793-900-1	Sequence 1, Appli
7	15.2	76.0	50341	1 US-08-247-901C-1	Sequence 1, Appli
8	15.2	76.0	50341	2 US-09-075-904-1	Sequence 1, Appli
9	15.2	76.0	52297	4 US-09-426-436-1	Sequence 1, Appli
10	15.2	76.0	52297	4 US-08-705-557-1	Sequence 1, Appli
11	14.8	74.0	5410	4 US-09-221-017B-70	Sequence 70, Appli
12	14.4	72.0	1610	4 US-09-276-531-56	Sequence 56, Appli
13	14.4	72.0	2821	4 US-09-221-017B-49	Sequence 49, App
14	14.4	72.0	7808	4 US-09-453-702B-2	Sequence 247, App
15	14.4	72.0	43676	3 US-09-356-952-12	Sequence 12, Appli
16	14.4	72.0	4403765	4 US-09-103-840A-2	Sequence 2, Appli
17	14.2	71.0	189	2 US-08-530-569B-20	Sequence 20, Appli
18	14.2	71.0	261	2 US-08-867-030B-2	Sequence 2, Appli
19	14.2	71.0	261	5 PCT-US95-06119-2	Sequence 2, Appli
20	14.2	71.0	384	1 US-08-726-136-21	Sequence 21, Appli
21	14.2	71.0	384	3 US-09-103-434-21	Sequence 21, Appli
22	14.2	71.0	384	4 US-09-687-594-21	Sequence 21, Appli
23	14.2	71.0	435	4 US-09-199-637A-16	Sequence 16, Appli
24	14.2	71.0	519	2 US-08-581-528A-5	Sequence 5, Appli
25	14.2	71.0	519	5 PCT-US94-07799-5	Sequence 5, Appli
26	14.2	71.0	564	2 US-08-530-569B-18	Sequence 18, Appli
27	14.2	71.0	657	4 US-09-199-637A-14	Sequence 14, Appli

28	14.2	71.0	724	4 US-09-221-017B-719	Sequence 719, App
29	14.2	71.0	842	4 US-08-998-416-312	Sequence 312, App
30	14.2	71.0	1203	1 US-08-362-670B-29	Sequence 29, Appli
31	14.2	71.0	1203	3 US-08-333-576C-29	Sequence 29, Appli
32	14.2	71.0	1203	4 US-08-808-324-29	Sequence 29, Appli
33	14.2	71.0	1203	5 PCT-US94-14030A-29	Sequence 29, Appli
34	14.2	71.0	1758	4 US-08-965-762-6	Sequence 6, Appli
35	14.2	71.0	2040	3 US-08-604-789B-1	Sequence 1, Appli
36	14.2	71.0	2040	3 US-08-604-789B-12	Sequence 12, Appli
37	14.2	71.0	2040	4 US-09-312-721A-1	Sequence 1, Appli
38	14.2	71.0	2040	4 US-09-312-721A-12	Sequence 12, Appli
39	14.2	71.0	2051	2 US-08-530-569B-13	Sequence 13, Appli
40	14.2	71.0	2369	3 US-08-883-534-4	Sequence 4, Appli
41	14.2	71.0	2369	2 US-09-204-764-4	Sequence 4, Appli
42	14.2	71.0	2574	2 US-08-677-734A-8	Sequence 8, Appli
43	14.2	71.0	2574	4 US-09-097-053-8	Sequence 8, Appli
44	14.2	71.0	2807	4 US-09-453-702B-51	Sequence 51, Appli
45	14.2	71.0	3141	4 US-09-199-637A-12	Sequence 12, Appli

ALIGNMENTS

```
RESULT 1
US-09-103-840A-2/c
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 19-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, c, t, g or g
US-09-103-840A-2

Query Match      100.0%; Score 20; DB 4; Length 4403765;
Best local Similarity 100.0%; Pred. No. 0.72;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GGGCGACATCATCGCTTCCC 20
Db 3082675 GGGCGACATCATCGCTTCCC 3082656

RESULT 2
US-09-103-840A-1/c
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
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SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 4411529
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match 100.0%; Score 20; DB 4; Length 4411529;
Best Local Similarity 100.0%; Pred. No. 0.72;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GCGCGACATCATCGCTTCCC 20
DB 3087992 GCGCGACATCATCGCTTCCC 3087973

RESULT 3
US-09-103-840A-1
Sequence 1, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
FILE REFERENCE: 24366-20007.00
CURRENT APPLICATION NUMBER: US/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 4411529
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match 84.0%; Score 16.8; DB 4; Length 4411529;
Best Local Similarity 90.0%; Pred. No. 25;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCGCGACATCATCGCTTCCC 20
DB 3081155 GCGCGCTCTCATCGCTTCCC 3081174

RESULT 4
US-09-144-085-3/C
Sequence 3, Application US/09144085
Patent No. 6280999
GENERAL INFORMATION:
APPLICANT: Gustafsson, Claes
APPLICANT: Bellach, Mary C.
APPLICANT: Ashley, Gary
APPLICANT: Julien, Bryan
APPLICANT: Ziermann, Rainer
TITLE OF INVENTION: SORANGIUM POLYKETIDE SYNTHASES AND ENCODING DNA
FILE REFERENCE: 30062-20020.20
CURRENT APPLICATION NUMBER: US/09/144,085
CURRENT FILING DATE: 1998-08-31
EARLIER APPLICATION NUMBER: 09/010,809
EARLIER FILING DATE: 1998-01-22
NUMBER OF SEQ ID NOS: 8
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 33529
TYPE: DNA
ORGANISM: Sorangium cellulosum
US-09-144-085-3

Query Match 82.0%; Score 16.4; DB 4; Length 33529;
Best Local Similarity 94.4%; Pred. No. 26;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 1 GCGCGACATCATCGCTTC 18
DB 27636 GCGCGACATCATCGCTTC 27619

RESULT 5
US-09-221-017B-441/C
Sequence 441, Application US/09221017B
Patent No. 6444799
GENERAL INFORMATION:
APPLICANT: Ross, Bruce C.
TITLE OF INVENTION: P. GINGIVALIS NUCLEOTIDES AND USES THEREOF
NUMBER OF SEQUENCES: 1120
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastSeq for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/221,017B
FILING DATE: 23-DEC-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PP1182
FILING DATE: 31-DEC-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 11546
FILING DATE: 30-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PP2911
FILING DATE: 09-APR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/AU98/01023
FILING DATE: 10-DEC-1998
ATTORNEY/AGENT INFORMATION:
NAME: MONROY, Gladys H
REGISTRATION NUMBER: 32,430
REFERENCE/DOCKET NUMBER: 27340-20021.00
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-813-5600
TELEFAX: 650-494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 441:
SEQUENCE CHARACTERISTICS:
LENGTH: 2758 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: UNKNOWN
ORIGINAL SOURCE:
ORGANISM: PORPHYROMONAS GINGIVALIS
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1...2758
US-09-221-017B-441

Query Match 76.0%; Score 15.2; DB 4; Length 2758;
Best Local Similarity 85.0%; Pred. No. 75;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

RESULT 8
US-09-075-904-1/C
Sequence 1, Application US/09075904
Patent No. 5994137
GENERAL INFORMATION:
APPLICANT: Jacobs, et al.
TITLE OF INVENTION: L5 SHUTTLE PHASMIDS
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amster, Rothstein & Ebenstein
STREET: 90 Park Avenue
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch 1.44 Mb storage diskette
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Word Processor (ASCII)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/075,904
FILING DATE: May 11, 1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/247,901
FILING DATE: May 23, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Bogosian, Elizabeth A
REGISTRATION NUMBER: 39,911
REFERENCE/DOCKET NUMBER: 96700/475
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 286-0854 or 286-0082
TELEFAX: TWX 710-581-4766
TELEX: TWX 710-581-4766
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 50341
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE:
DESCRIPTION: L5 shuttle plasmid sequence
HYPOTHETICAL: NO
ANTI-SENSE:
FRAGMENT TYPE:
ORIGINAL SOURCE:
ORGANISM: L5 mycobacteriophage
STRAIN:
INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE:
HAPLOTYPE:
TISSUE TYPE:
CELL LINE:
ORGANELLE:
IMMEDIATE SOURCE:
POSITION IN GENOME:
CHROMOSOME/SEGMENT:
FEATURE:
NAME/KEY:
LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION:
PUBLICATION INFORMATION: NO. 5994137e
AUTHORS:
TITLE:
JOURNAL:
VOLUME:
PAGES:
DATE:

DOCUMENT NUMBER:
FILING DATE:
PUBLICATION DATE:
RELEVANT RESIDUES IN SEQ ID NO:
US-09-075-904-1
Query Match 76.0%; Score 15.2; DB 2; Length 50341;
Best Local Similarity 85.0%; Pred. No. 1,1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
DB 8578 GGCCGACATCATCTTCC 8559
OY 1 GGCCGACATCATCTTCC 20
Db 8578 GGCCGACATCATCTTCC 8559
RESULT 9
US-09-426-436-1/C
Sequence 1, Application US/09426436
Patent No. 6225066
GENERAL INFORMATION:
APPLICANT: William R. Jacobs, Jr.
APPLICANT: Barry R. Bloom
APPLICANT: Graham F. Halfall
TITLE OF INVENTION: MYCOBACTERIAL SPECIES-SPECIFIC
REPORTER MYCOBACTERIOPHAGES
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amster, Rothstein & Ebenstein
STREET: 90 Park Avenue
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch 1.44 Mb storage diskette
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Word Processor (ASCII)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/426,436
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/705,557
FILING DATE:
APPLICATION NUMBER: US/08/057,531
FILING DATE:
APPLICATION NUMBER: 07/843,431
FILING DATE: February 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Pasqualini, Patricia A.
REGISTRATION NUMBER: 34,894
REFERENCE/DOCKET NUMBER: 96700/238
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 697-5995
TELEFAX: (212) 286-0854 or 286-0082
TELEX: TWX 710-581-4766
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 52297
TYPE: nucleotide
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE:
DESCRIPTION: phage genome sequence
HYPOTHETICAL: no
ANTI-SENSE: no
FRAGMENT TYPE: not applicable.
ORIGINAL SOURCE:
ORGANISM: mycobacteriophage L5
STRAIN: not applicable
INDIVIDUAL ISOLATE: L5
DEVELOPMENTAL STAGE: not applicable

HAPOTYPE: not applicable
TISSUE TYPE: not applicable
CELL TYPE: not applicable
CELL LINE: not applicable
ORGANELLE: not applicable
IMMEDIATE SOURCE: mycobacteriophage L5 particles
POSITION IN GENOME: entire genome
FEATURE:
NAME/KEY:
LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION:
PUBLICATION INFORMATION:
AUTHORS: Hatfull and Sarkis
TITLE: DNA Sequence, Structure and Gene
TITLE: Expression of Mycobacteriophage L5:
TITLE: A Phage System for Mycobacterial
TITLE: Genetics
JOURNAL: Molecular Microbiology
VOLUME: 7
PAGES: 395-405
DATE: 1993
US-09-426-436-1

Query Match 76.0%; Score 15.2; DB 4; Length 52297;
Best Local Similarity 85.0%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GGGCGATCATCGCTTCCC 20
DB 8475 GGGCGATCATCTCTCTC 8456

RESULT 10
US-08-705-557-1/c
Sequence 1, Application US/08705557
Patent No. 6300061
GENERAL INFORMATION:
APPLICANT: William R. Jacobs, Jr.
APPLICANT: Barry R. Bloom
APPLICANT: Graham F. Hatfull
TITLE OF INVENTION: MYCOBACTERIAL SPECIES-SPECIFIC
TITLE OF INVENTION: REPORTER MYCOBACTERIOPHAGES
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amster, Rothstein & Ebenstein
STREET: 90 Park Avenue
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch 1.44 Mb storage diskette
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Word Processor (ASCII)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/705,557
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/057,531
FILING DATE:
APPLICATION NUMBER: 07/833,431
FILING DATE: February 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Pasqualini, Patricia A.
REGISTRATION NUMBER: 34,894
REFERENCE/DOCKET NUMBER: 96700/238
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 687-5995
TELEFAX: (212) 286-0854 or 286-0082
TELEX: TWX 710-581-4766

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 52297
TYPE: nucleotide
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE:
DESCRIPTION: phage genome sequence
HYPOHETICAL: no
ANTI-SENSE: no
FRAGMENT TYPE: not applicable.
ORIGINAL SOURCE:
ORGANISM: mycobacteriophage L5
STRAIN: not applicable
INDIVIDUAL ISOLATE: L5
DEVELOPMENTAL STAGE: not applicable
HAPOTYPE: not applicable
TISSUE TYPE: not applicable
CELL TYPE: not applicable
CELL LINE: not applicable
ORGANELLE: not applicable
IMMEDIATE SOURCE: mycobacteriophage L5 particles
POSITION IN GENOME: entire genome
FEATURE:
NAME/KEY:
LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION:
PUBLICATION INFORMATION:
AUTHORS: Hatfull and Sarkis
TITLE: DNA Sequence, Structure and Gene
TITLE: Expression of Mycobacteriophage L5:
TITLE: A Phage System for Mycobacterial
TITLE: Genetics
JOURNAL: Molecular Microbiology
VOLUME: 7
PAGES: 395-405
DATE: 1993
US-08-705-557-1

Query Match 76.0%; Score 15.2; DB 4; Length 52297;
Best Local Similarity 85.0%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GGGCGATCATCGCTTCCC 20
DB 8475 GGGCGATCATCTCTCTC 8456

RESULT 11
US-09-221-017B-70
Sequence 70, Application US/09221017B
Patent No. 6444799
GENERAL INFORMATION:
APPLICANT: Ross, Bruce C.
TITLE OF INVENTION: P. GINGIVALIS NUCLEOTIDES AND USES THEREOF
NUMBER OF SEQUENCES: 1120
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastSeq for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/221,017B
FILING DATE: 23-DEC-1998
CLASSIFICATION:

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: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PP1182
: FILING DATE: 31-DEC-1997
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PP1546
: FILING DATE: 30-JAN-1998
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PP2911
: FILING DATE: 09-APR-1998
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PCT/AU98/01023
: FILING DATE: 10-DEC-1998
: ATTORNEY/AGENT INFORMATION:
: NAME: Monroy, Gladys H
: REGISTRATION NUMBER: 32,430
: REFERENCE/DOCKET NUMBER: 27340-20021.00
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 650-813-5600
: TELEFAX: 650-494-0792
: TELEX: 706141
: INFORMATION FOR SEQ ID NO: 70:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 5410 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: MOLECULE TYPE: DNA (genomic)
: HYPOTHEICAL: NO
: ANTI-SENSE: UNKNOWN
: ORIGINAL SOURCE:
: ORGANISM: PORYPHYROMONAS GINGIVALIS
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: 1...5410
:
: US-09-221-017B-70
:
: Query Match 74.0%; Score 14.8; DB 4; Length 5410;
: Best Local Similarity 88.9%; Pred. No. 1.3e+02;
: Matches 16: Conservative 0; Mismatches 2; Indels 0; Gaps 0;
:
: QY 2 GCCGACATCATGCTTCC 19
: ||||| ||||| |||||
: Db 2510 GCCGAGTCATGCTTCC 2527
:
: RESULT 12
: US-09-276-531-56
: Sequence 56, Application US/09276531
: Patent No. 6183968
: GENERAL INFORMATION:
: APPLICANT: Bandman, Olga
: APPLICANT: Lal, Preeti
: APPLICANT: Hillman, Jennifer L.
: APPLICANT: Yue, Henry
: APPLICANT: Reddy, Roopa
: APPLICANT: Guegler, Karl J.
: APPLICANT: Baughn, Mariah R.
: TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF GENES ENCODING
: NUMBER OF INVENTION: RECEPTORS AND PROTEINS ASSOCIATED WITH CELL PROLIFERATION
: NUMBER OF SEQUENCES: 134
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
: STREET: 3174 PORTER DRIVE
: CITY: PALO ALTO
: STATE: CALIFORNIA
: COUNTRY: USA
: ZIP: 94304
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
: CURRENT APPLICATION DATA:

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: APPLICATION NUMBER: US/09/276,531
: FILING DATE: Herewith
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 60/079,677
: FILING DATE: March 27, 1998
: CLASSIFICATION:
: ATTORNEY/AGENT INFORMATION:
: NAME: Lynn E. Murty, Ph.D.
: REGISTRATION NUMBER: 42,918
: REFERENCE/DOCKET NUMBER: PA-0008 US
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (650) 855-0555
: TELEFAX: (650) 845-4166
: INFORMATION FOR SEQ ID NO: 56:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1610 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: IMMEDIATE SOURCE:
: LIBRARY: BRATTUT08
: CLONE: 1396833
:
: US-09-276-531-56
:
: Query Match 72.0%; Score 14.4; DB 4; Length 1610;
: Best Local Similarity 93.8%; Pred. No. 1.8e+02;
: Matches 15: Conservative 0; Mismatches 1; Indels 0; Gaps 0;
:
: QY 5 GACATCATGCTTCC 20
: ||||| ||||| ||
: Db 488 GACATCATGCTTCC 503
:
: RESULT 13
: US-09-221-017B-493/c
: Sequence 493, Application US/09221017B
: Patent No. 6444799
: GENERAL INFORMATION:
: APPLICANT: Koss, Bruce C.
: TITLE OF INVENTION: P. GINGIVALIS NUCLEOTIDES AND USES THEREOF
: NUMBER OF SEQUENCES: 1120
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: MORRISON & EVERSTER
: STREET: 755 PAGE MILL ROAD
: CITY: Palo Alto
: STATE: CA
: COUNTRY: USA
: ZIP: 94304-1018
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM compatible
: OPERATING SYSTEM: Windows
: SOFTWARE: FastSeq for Windows Version 2.0b
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/221,017B
: FILING DATE: 23-DEC-1998
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PP1182
: FILING DATE: 31-DEC-1997
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PP1546
: FILING DATE: 30-JAN-1998
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PP2911
: FILING DATE: 09-APR-1998
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PCT/AU98/01023
: FILING DATE: 10-DEC-1998
: ATTORNEY/AGENT INFORMATION:
: NAME: Monroy, Gladys H
: REGISTRATION NUMBER: 32,430

```

REFERENCE/DOCKET NUMBER: 27340-20021.00
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-813-5600
TELEFAX: 650-494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 493:
SEQUENCE CHARACTERISTICS:
LENGTH: 2821 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHEetical: NO
ANTI-SENSE: UNKNOWN
ORIGINAL SOURCE:
ORGANISM: PORPHYROMONAS GINGIVALIS
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1...2821
US-09-221-017B-493

Query Match
Best Local Similarity 93.8%; Score 14.4; DB 4; Length 2821;
Pred. No. 1.9e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGCGACATCATCGCT 16
||||| |||||||
Db 662 GCGCGACATCATCGCT 647

RESULT 14
US-09-453-702B-247
Sequence 247, Application US/09453702B
Patent No. 6365723
GENERAL INFORMATION:
APPLICANT: Blatner, Frederick R.
Burland, Valerie
Perna, Nicole T.
Plunkett, Guy
Welch, Rod
TITLE OF INVENTION: No. 6365723el Sequences of E. coli O157
NUMBER OF SEQUENCES: 265
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Quatles & Brady
STREET: 1 South Plunkney Street
CITY: Madison
STATE: WI
COUNTRY: US
ZIP: 53701-2113
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44mb storage
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 8.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/453,702B
FILING DATE: 03-Dec-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/110,955
FILING DATE: 04-Dec-1998
ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J
REGISTRATION NUMBER: 27386
REFERENCE/DOCKET NUMBER: 960296, 95017
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 251-5000
TELEFAX: (608) 251-9166
INFORMATION FOR SEQ ID NO: 247:
SEQUENCE CHARACTERISTICS:
LENGTH: 7808
TYPE: nucleic acid
STRANDEDNESS: double

TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 247:
US-09-453-702B-247

Query Match
Best Local Similarity 93.8%; Score 14.4; DB 4; Length 7808;
Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGCGACATCATCGCT 16
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Db 3984 GCGCGACATCATCGCT 3999

RESULT 15
US-09-356-952-12/c
Sequence 12, Application US/09356952
Patent No. 6117663
GENERAL INFORMATION:
APPLICANT: Borjuck-Sjodin, Ann
APPLICANT: Margalit, S. M.
APPLICANT: Bor-Sogai, Dafna
APPLICANT: Cole, Philip
APPLICANT: Kurlyan, John
TITLE OF INVENTION: A CRYSTAL OF A RAS-SOS COMPLEX AND METHODS OF USE
FILE REFERENCE: 600-1-228N
CURRENT APPLICATION NUMBER: US/09/356,952
CURRENT FILING DATE: 1999-07-19
EARLIER APPLICATION NUMBER: 60/093,631
EARLIER FILING DATE: 1998-07-21
NUMBER OF SEQ ID NOS: 14
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 12
LENGTH: 43676
TYPE: DNA
ORGANISM: Saccharomyces cerevisiae
US-09-356-952-12

Query Match
Best Local Similarity 93.8%; Score 14.4; DB 3; Length 43676;
Pred. No. 2.7e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 CGACATCATCGCTTCG 19
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Db 34400 CGACATCATCGCTTCG 34485

Search completed: February 18, 2003, 03:07:32
Job time : 2979.13 secs

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 21:30:48 ; Search time 106.899 Seconds
(Without alignments)
95.291 Million cell updates/sec

Title: US-09-362-485-22
Perfect score: 20
Sequence: 1 GGGCGACATCATCGCTTCC 20

Scoring table:
IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 424239 seqs, 25461826 residues

Total number of hits satisfying chosen parameters: 848478

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_NA:*

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/2/pubpna/PC1_NEM_PUB.seq:*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEM_PUB.seq:*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEM_PUB.seq:*
- 6: /cgn2_6/ptodata/2/pubpna/PC1US_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEM_PUB.seq:*
- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
- 9: /cgn2_6/ptodata/2/pubpna/US09_NEM_PUB.seq:*
- 10: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/2/pubpna/US10_NEM_PUB.seq:*
- 12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*
- 14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	15.8	79.0	1203	10	US-09-812-272-1
2	15.8	79.0	1203	12	US-10-037-616-9
3	15.2	76.0	528	10	US-09-974-240-6774
4	15.2	76.0	1487	9	US-09-984-245-79
5	15.2	76.0	1525	9	US-09-984-245-114
6	15.2	76.0	3151	9	US-10-003-132-1
7	15.2	76.0	3456	10	US-09-764-877-3873
8	15.2	76.0	3594	9	US-09-759-1308-71
9	15.2	76.0	2229	10	US-09-998-598-2531
10	15.2	76.0	2842	9	US-09-736-457-1800
11	15.2	76.0	2842	9	US-09-902-941-1800
12	15.2	76.0	2842	9	US-09-849-626-1800
13	15.2	76.0	2842	10	US-09-986-632-7
14	14.8	74.0	256	10	US-09-878-574-7271
15	14.8	74.0	264	10	US-09-815-343-137
16	14.8	74.0	771	10	US-09-815-242-7986
17	14.8	74.0	1245	9	US-09-974-300-5833
18	14.8	74.0	1488	9	US-09-738-626-1425
19	14.8	74.0	1602	10	US-09-801-368-161

20	14.8	74.0	2088	9	US-09-738-626-1759	Sequence 1759, Ap
21	14.8	74.0	2217	9	US-09-738-626-3273	Sequence 3273, Ap
22	14.8	74.0	2394	10	US-09-815-242-4016	Sequence 4016, Ap
23	14.8	74.0	3951	9	US-09-712-363-31	Sequence 31, Appl
24	14.8	74.0	3309400	9	US-09-738-626-1	Sequence 1, Appl
25	14.4	72.0	177	10	US-09-770-656-301	Sequence 301, Ap
26	14.4	72.0	420	10	US-09-954-456-109	Sequence 109, Ap
27	14.4	72.0	420	10	US-09-954-456-884	Sequence 884, Ap
28	14.4	72.0	420	10	US-09-954-456-1440	Sequence 1440, Ap
29	14.4	72.0	764	10	US-09-910-943-628	Sequence 628, Ap
30	14.4	72.0	1959	9	US-09-938-842-289	Sequence 289, Ap
31	14.4	72.0	2289	9	US-09-738-626-954	Sequence 954, Ap
32	14.4	72.0	2325	10	US-09-815-242-7948	Sequence 7948, Ap
33	14.4	72.0	7808	9	US-10-114-170-247	Sequence 247, Ap
34	14.2	71.0	147	10	US-09-969-373-518	Sequence 518, Ap
35	14.2	71.0	166	9	US-10-040-739-914	Sequence 914, Ap
36	14.2	71.0	266	10	US-09-923-876-3938	Sequence 3938, Ap
37	14.2	71.0	271	10	US-09-878-574-2612	Sequence 2612, Ap
38	14.2	71.0	272	10	US-09-923-876-1396	Sequence 1396, Ap
39	14.2	71.0	280	10	US-09-923-876-4327	Sequence 4327, Ap
40	14.2	71.0	341	10	US-09-783-590-1211	Sequence 1211, Ap
41	14.2	71.0	350	10	US-09-974-300-3119	Sequence 3119, Ap
42	14.2	71.0	359	10	US-09-998-598-2030	Sequence 2030, Ap
43	14.2	71.0	363	10	US-09-960-352-2021	Sequence 2021, Ap
44	14.2	71.0	370	10	US-09-960-352-12015	Sequence 12015, A
45	14.2	71.0	384	10	US-09-815-242-6335	Sequence 6335, A

ALIGNMENTS

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RESULT 1
US-09-812-272-1
; Sequence 1, Application US/09812272
; Patent No. US20020045214A1
; GENERAL INFORMATION:
; APPLICANT: Pamela Lane
; APPLICANT: Ping Tsui
; APPLICANT: Nabli A. Elshourbagy
; TITLE OF INVENTION: RAT G-PROTEIN COUPLED RECEPTOR AXOR29
; FILE REFERENCE: GP-70685
; CURRENT APPLICATION NUMBER: US/09/812, 272
; PRIOR FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 60/191, 153
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 1203
; TYPE: DNA
; ORGANISM: HOMO SAPIENS
; US-09-812-272-1

Query Match          79.0%; Score 15.8; DB 10; Length 1203;
Best Local Similarity 89.5%; Pred. No. 53;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 GGGCGACATCATCGCTTCC 19
        ||||| |||| |||||
DB      184 GGGCGACATCATCGCTTCC 202

RESULT 2
US-10-037-616-9
; Sequence 9, Application US/10037616
; Patent No. US20020123148A1
; GENERAL INFORMATION:
; APPLICANT: English, Denis
; APPLICANT: Kovacs, Richard J.
; APPLICANT: Rizzo, Maria T.
; APPLICANT: Silva, Daniel T.
; TITLE OF INVENTION: Sphingolipid Compositions and Methods for Their Therapeutic Use
; FILE REFERENCE: 7042-119
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; CURRENT APPLICATION NUMBER: US/10/037,616
; CURRENT FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: US 60/243,887
; PRIOR FILING DATE: 2000-10-27
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
; LENGTH: 1203
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1203)
; OTHER INFORMATION:
US-10-037-616-9

Query Match          79.0%; Score 15.8; DB 12; Length 1203;
Best Local Similarity 89.5%; Pred. No. 53;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGACATCATCGCTTCC 19
DB 184 GCGCGACATCATCGCTTCC 202

RESULT 3
US-09-974-300-6774
; Sequence 6774, Application US/09974300
; Patent No. US20020146721A1
; GENERAL INFORMATION:
; APPLICANT: Berka, Randy M.
; APPLICANT: Clausen, Ib Groth
; TITLE OF INVENTION: Methods For Monitoring Multiple Gene
; FILE REFERENCE: 10085,500-US
; CURRENT APPLICATION NUMBER: US/09/974,300
; CURRENT FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: 09/680,598
; PRIOR FILING DATE: 2000-10-06
; PRIOR APPLICATION NUMBER: 60/279,526
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 8481
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6774
; LENGTH: 528
; TYPE: DNA
; ORGANISM: Bacillus clausii
US-09-974-300-6774

Query Match          76.0%; Score 15.2; DB 10; Length 528;
Best Local Similarity 85.0%; Pred. No. 1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCGACATCATCGCTTCC 20
DB 488 GCGCGACATCATCGCTTCC 507

RESULT 4
US-09-984-245-79
; Sequence 79, Application US/09984245
; Patent No. US20020165374A1
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 87 Human Secreted Proteins
; FILE REFERENCE: P2004P1
; CURRENT APPLICATION NUMBER: US/09/984,245
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: 09/154,707
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: PCT/US98/05311
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: US 60/041,277
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; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/042,344
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/041,276
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/041,281
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/048,094
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,350
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,188
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,135
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/050,937
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,187
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,099
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,352
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,186
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,069
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,095
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,131
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,096
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,355
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,160
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,351
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,154
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/054,804
; PRIOR FILING DATE: 1997-08-05
; PRIOR APPLICATION NUMBER: US 60/056,370
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: US 60/060,862
; PRIOR FILING DATE: 1997-10-02
; NUMBER OF SEQ ID NOS: 343
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 79
; LENGTH: 1487
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (78)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc.feature
; LOCATION: (948)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-984-245-79

Query Match          76.0%; Score 15.2; DB 9; Length 1487;
Best Local Similarity 85.0%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCGCGACATCATCGCTTCC 20
DB 680 GCGCGACATCATCGCTTCC 699

RESULT 5
US-09-984-245-114
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Sequence 114, Application US/09984245
Patent No. US20020165374A1
GENERAL INFORMATION:
APPLICANT: Young et al.
TITLE OF INVENTION: 87 Human Secreted Proteins
FILE REFERENCE: P2004P1
CURRENT APPLICATION NUMBER: US/09/984,245
CURRENT FILING DATE: 2001-10-29
PRIOR APPLICATION NUMBER: 09/154,707
PRIOR FILING DATE: 1998-09-17
PRIOR APPLICATION NUMBER: PCT/US98/05311
PRIOR FILING DATE: 1998-03-19
PRIOR APPLICATION NUMBER: US 60/041,277
PRIOR FILING DATE: 1997-03-21
PRIOR APPLICATION NUMBER: US 60/042,344
PRIOR FILING DATE: 1997-03-21
PRIOR APPLICATION NUMBER: US 60/041,276
PRIOR FILING DATE: 1997-03-21
PRIOR APPLICATION NUMBER: US 60/041,281
PRIOR FILING DATE: 1997-03-21
PRIOR APPLICATION NUMBER: US 60/048,094
PRIOR FILING DATE: 1997-05-30
PRIOR APPLICATION NUMBER: US 60/048,350
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PRIOR FILING DATE: 1997-05-30
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PRIOR APPLICATION NUMBER: US 60/048,095
PRIOR FILING DATE: 1997-05-30
PRIOR APPLICATION NUMBER: US 60/048,131
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PRIOR APPLICATION NUMBER: US 60/048,351
PRIOR FILING DATE: 1997-05-30
PRIOR APPLICATION NUMBER: US 60/048,154
PRIOR FILING DATE: 1997-05-30
PRIOR APPLICATION NUMBER: US 60/054,804
PRIOR FILING DATE: 1997-08-05
PRIOR APPLICATION NUMBER: US 60/056,370
PRIOR FILING DATE: 1997-08-19
PRIOR APPLICATION NUMBER: US 60/060,862
PRIOR FILING DATE: 1997-10-02
NUMBER OF SEQ ID NOS: 343
SOFTWARE: Patencin Ver. 2.0
SEQ ID NO 114
LENGTH: 1525
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (78)
OTHER INFORMATION: n equals a,t,g, or c
US-09-984-245-114
Query Match 76.0%; Score 15.2; DB ; Length 1525;
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Best Local Similarity 85.0%; Pred. No. 1,1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1 GCGCGACATCATCGCTTCCC 20
Db 680 GCGCGACATCATCGCTTCCC 699

RESULT 6
US-10-003-132-1/c
Sequence 1, Application US/10003132
Publication No. US20020192750A1
GENERAL INFORMATION:
APPLICANT: Fox, Brian A.
APPLICANT: Gao, Zeren
APPLICANT: Shoemaker, Kimberly E.
TITLE OF INVENTION: NEUROPHILIN HOMOLOG 2CUB5
FILE REFERENCE: 00-62
CURRENT APPLICATION NUMBER: US/10/003,132
CURRENT FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: US 60/249,004
PRIOR FILING DATE: 2000-11-15
NUMBER OF SEQ ID NOS: 19
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1
LENGTH: 3151
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (76)...(2223)
US-10-003-132-1

Query Match 76.0%; Score 15.2; DB %; Length 3151;
Best Local Similarity 85.0%; Pred. No. 1,1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1 GCGCGACATCATCGCTTCCC 20
Db 2508 GCGCGACATCATCGCTTCCC 2489

RESULT 7
US-09-764-877-3823
Sequence 3823, Application US/09764877
Patent No. US20020147140A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PC005
CURRENT APPLICATION NUMBER: US/09/764,877
CURRENT FILING DATE: 2001-01-17
Prior application data removed - refer to PALM or file wrapper
NUMBER OF SEQ ID NOS: 4031
SOFTWARE: Patencin Ver. 2.0
SEQ ID NO 3823
LENGTH: 3456
TYPE: DNA
ORGANISM: Homo sapiens
US-09-764-877-3823

Query Match 76.0%; Score 15.2; DB 10; Length 3456;
Best Local Similarity 85.0%; Pred. No. 1,2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1 GCGCGACATCATCGCTTCCC 20
Db 1267 GCGCGACATCATCGCTTCCC 1286

RESULT 8
US-09-759-1308-71/c
Sequence 71, Application US/097591308
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: Publication No. US20030022279A1
: GENERAL INFORMATION:
: APPLICANT: Millennium Pharmaceuticals, Inc.
: APPLICANT: McCarthy, Sean A
: APPLICANT: Fraser, Christopher C
: APPLICANT: Sharp, John D
: APPLICANT: Barnes, Thomas S
: APPLICANT: Kirt, Susan J
: APPLICANT: Mackay, Charles R
: APPLICANT: Myers, Paul S
: APPLICANT: Leiby, Kevin R
: APPLICANT: Wighton, Nicolas
: APPLICANT: Goodearl, Andrew
: APPLICANT: Holtzman, Douglas A
: TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING
: TITLE OF INVENTION: PROGNOSTIC, DIAGNOSTIC, PREVENTIVE, THERAPEUTIC, AND OTHER
: TITLE OF INVENTION: USES.
: FILE REFERENCE: MP100-5350NMIM
: CURRENT APPLICATION NUMBER: US/09/759,130B
: CURRENT FILING DATE: 2002-09-16
: PRIOR APPLICATION NUMBER: US 09/479,249
: PRIOR FILING DATE: 2000-01-07
: PRIOR APPLICATION NUMBER: US 09/559,497
: PRIOR FILING DATE: 2000-04-27
: PRIOR APPLICATION NUMBER: US 09/578,063
: PRIOR FILING DATE: 2000-05-24
: PRIOR APPLICATION NUMBER: US 09/333,159
: PRIOR FILING DATE: 1999-06-14
: PRIOR APPLICATION NUMBER: US 09/596,194
: PRIOR FILING DATE: 2000-07-14
: PRIOR APPLICATION NUMBER: US 09/342,364
: PRIOR FILING DATE: 1999-06-29
: PRIOR APPLICATION NUMBER: US 09/608,452
: PRIOR FILING DATE: 2000-06-30
: PRIOR APPLICATION NUMBER: US 09/393,996
: PRIOR FILING DATE: 1999-09-10
: PRIOR APPLICATION NUMBER: US 09/602,871
: PRIOR FILING DATE: 2000-06-23
: PRIOR APPLICATION NUMBER: US 09/420,707
: PRIOR FILING DATE: 1999-10-19
: NUMBER OF SEQ ID NOS: 460
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 71
: LENGTH: 3594
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-759-1308-71

Query Match          76.0%: Score 15.2; DB 9; Length 3594;
Best Local Similarity 85.0%: Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1  GCGCGACATCATCGCTTCCC 20
Db      2932  GCGCGACCTCTTCGATCC 2913

RESULT 9
US-09-998-598-2531/C
: Sequence 2531, Application US/09998598
: Patent No. US20020150922A1
: GENERAL INFORMATION:
: APPLICANT: Stolk, John A.
: APPLICANT: Xu, Jiangchun
: APPLICANT: Chenaault, Ruth A.
: APPLICANT: Mesgher, Madelein Joy
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
: TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER
: FILE REFERENCE: 210121.561
: CURRENT APPLICATION NUMBER: US/09/998,598
: CURRENT FILING DATE: 2001-11-16
: NUMBER OF SEQ ID NOS: 2606
: SOFTWARE: Corixa Invention Disclosure Database
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: SEQ ID NO 2531
: LENGTH: 229
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-998-598-2531

Query Match          75.0%: Score 15; DB 10; Length 229;
Best Local Similarity 100.0%: Pred. No. 1.2e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4  CGACATCATCGCTTC 18
Db      173  CGACATCATCGCTTC 159

RESULT 10
US-09-736-457-1800
: Sequence 1800, Application US/09736457
: Patent No. US20020168637A1
: GENERAL INFORMATION:
: APPLICANT: Wang, Tongtong
: APPLICANT: Bangur, Chaltanya S.
: APPLICANT: Lodes, Michael A.
: APPLICANT: Fanger, Gary
: APPLICANT: Vedvick, Tom
: APPLICANT: Carter, Darick
: APPLICANT: Reltter, Marc
: APPLICANT: Mannion, Jane
: APPLICANT: Fan, Liqun
: APPLICANT: Wang, Aijun
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
: TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
: FILE REFERENCE: 210121.478C15
: CURRENT APPLICATION NUMBER: US/09/736,457
: CURRENT FILING DATE: 2000-12-13
: NUMBER OF SEQ ID NOS: 1864
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 1800
: LENGTH: 2842
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-736-457-1800

Query Match          75.0%: Score 15; DB 9; Length 2842;
Best Local Similarity 100.0%: Pred. No. 1.4e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2  GCGCGACATCATCGCT 16
Db      931  GCGCGACATCATCGCT 945

RESULT 11
US-09-902-941-1800
: Sequence 1800, Application US/09902941
: Patent No. US20020172952A1
: GENERAL INFORMATION:
: APPLICANT: Henderson, Robert A.
: APPLICANT: Wang, Tongtong
: APPLICANT: Malanabe, Yoshihiro
: APPLICANT: Johnson, Jeffrey C.
: APPLICANT: Reltter, Marc W.
: APPLICANT: Marnetakis, Margarita
: APPLICANT: Carter, Darick
: APPLICANT: Fanger, Gary R.
: APPLICANT: Vedvick, Thomas S.
: APPLICANT: Bangur, Chaltanya S.
: APPLICANT: McNabb, Andria
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
: TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
: FILE REFERENCE: 210121.478C17
: CURRENT APPLICATION NUMBER: US/09/902,941
: CURRENT FILING DATE: 2001-07-10
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NUMBER OF SEQ ID NOS: 2002
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1800
LENGTH: 2842
TYPE: DNA
ORGANISM: Homo sapiens
US-09-902-941-1800

Query Match 75.0%; Score 15; DB 9; Length 2842;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 GCCGACATCATCGCT 16
|||||
DB 931 GCCGACATCATCGCT 945

RESULT 12

US-09-849-626-1800
Sequence 1800, Application US/09849626
Publication No. US20020197669A1
GENERAL INFORMATION:
APPLICANT: Banquer, Chaitanya
APPLICANT: Fanger, Gary
APPLICANT: Wang, Aijun
APPLICANT: Wang, Tongtong
APPLICANT: Switzer, Anne
APPLICANT: McNeill, Patricia
APPLICANT: Clapper, Jonathan
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.478C16
CURRENT APPLICATION NUMBER: US/09/849,626
CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 1926
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1800
LENGTH: 2842
TYPE: DNA
ORGANISM: Homo sapiens
US-09-849-626-1800

Query Match 75.0%; Score 15; DB 9; Length 2842;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 GCCGACATCATCGCT 16
|||||
DB 931 GCCGACATCATCGCT 945

RESULT 13

US-09-986-632-7
Sequence 7, Application US/09986632
Patent No. US20020119944A1
GENERAL INFORMATION:
APPLICANT: AGUERA, Michelle
TITLE OF INVENTION: Modulation of Ulp/CRMP activity for the prevention or
TITLE OF INVENTION: treatment of myelin disorders
FILE REFERENCE: P06974US01/BAS
CURRENT APPLICATION NUMBER: US/09/986,632
CURRENT FILING DATE: 2001-11-09
PRIOR APPLICATION NUMBER: US 60/246,751
PRIOR FILING DATE: 2000-11-09
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 7
LENGTH: 2842
TYPE: DNA
ORGANISM: Homo sapiens
US-09-986-632-7

Query Match 75.0%; Score 15; DB 10; Length 2842;

Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 GCCGACATCATCGCT 16
|||||
DB 931 GCCGACATCATCGCT 945

RESULT 14

US-09-878-574-7271
Sequence 7271, Application US/09878574
Patent No. US20020110548A1
GENERAL INFORMATION:
APPLICANT: Hyrum, Joseph R.
APPLICANT: La Rosa, Thomas J.
APPLICANT: Thompson, Michael D.
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
FILE REFERENCE: 38-21(15401)B
CURRENT APPLICATION NUMBER: US/09/878,574
CURRENT FILING DATE: 2001-12-21
PRIOR APPLICATION NUMBER: 09/333,535
PRIOR FILING DATE: 1999-06-14
NUMBER OF SEQ ID NOS: 15775
SEQ ID NO 7271
LENGTH: 256
TYPE: DNA
ORGANISM: Glycine max
OTHER INFORMATION: Clone ID: 701099678H1
US-09-878-574-7271

Query Match 74.0%; Score 14.8; DB 10; Length 256;
Best Local Similarity 88.9%; Pred. No. 1.5e+02;

Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCCGACATCATCGCTTC 18
|||||
DB 36 GCCCTTCATCATCGCTTC 53

RESULT 15

US-09-815-343-137
Sequence 137, Application US/09815343
Patent No. US20010055596A1
GENERAL INFORMATION:
APPLICANT: Meagher, Madeline
APPLICANT: Xu, Jianchun
APPLICANT: King, Gordon F.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER
FILE REFERENCE: 210121.504
CURRENT APPLICATION NUMBER: US/09/815,343
CURRENT FILING DATE: 2001-03-22
NUMBER OF SEQ ID NOS: 1556
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 137
LENGTH: 264
TYPE: DNA
ORGANISM: Homo sapien
US-09-815-343-137

Query Match 74.0%; Score 14.8; DB 10; Length 264;
Best Local Similarity 88.9%; Pred. No. 1.5e+02;

Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 3 CCGACATCATCGCTTCCC 20
|||||
DB 228 CCGACATCATCGCTTCCC 245

Search completed: February 18, 2003, 07:09:36
Job time : 109.899 secs

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 16:07:27 ; Search time 34.9547 Seconds
(without alignments)
210.565 Million cell updates/sec

Title: US-09-362-485-23
Perfect score: 24
Sequence: 1 CGAGACTAATTGGCGCTCGCTTGGC 24

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_NA:*
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2: /cgn2.6/prodata/2/ina/5B_COMB.seq:*
3: /cgn2.6/prodata/2/ina/5A_COMB.seq:*
4: /cgn2.6/prodata/2/ina/5B_COMB.seq:*
5: /cgn2.6/prodata/2/ina/PCTUS_COMB.seq:*
6: /cgn2.6/prodata/2/ina/backfilstl.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	24	100.0	4403765	4	US-09-103-840A-2
C 2	24	100.0	4411529	4	US-09-103-840A-1
C 3	16.8	70.0	447	4	US-08-836-075A-23
C 4	16.2	67.5	363	2	US-08-967-101-30
C 5	16.2	67.5	363	2	US-08-592-541-30
C 6	16.2	67.5	363	3	US-09-124-698-30
C 7	16.2	67.5	363	4	US-09-127-480-30
C 8	16.2	67.5	363	4	US-08-486-841C-30
C 9	16.2	67.5	363	4	US-09-124-523-30
C 10	16.2	67.5	1421	4	US-09-592-054-5
C 11	16.2	67.5	1569	4	US-09-592-054-3
C 12	16.2	67.5	14872	4	US-08-961-527-72
C 13	15.8	65.8	653	4	US-08-961-527-358
C 14	15.8	65.8	2061	4	US-08-835-170-1
C 15	15.8	65.8	2061	2	US-09-359-257-1
C 16	15.8	65.8	2061	4	US-09-371-674-1
C 17	15.8	65.8	2327	2	US-08-835-170-3
C 18	15.8	65.8	2327	4	US-09-359-257-3
C 19	15.8	65.8	2327	4	US-09-371-674-3
C 20	15.8	65.8	7011	1	US-08-306-691B-42
C 21	15.8	65.8	12566	4	US-08-961-527-149
C 22	15.6	65.0	636	4	US-09-328-111-226
C 23	15.6	65.0	4325	2	US-08-888-497-21
C 24	15.6	65.0	4325	4	US-09-362-230-21
C 25	15.6	65.0	4325	4	PCT-US94-07926-31
C 26	15.6	65.0	81001	5	US-09-750-580-1
C 27	15.2	63.3	4731	2	US-08-488-706-2

C 28	15.2	63.3	4731	3	US-08-772-270A-9	Sequence 9, Appl
C 29	15.2	63.3	19932	2	US-08-477-451-25	Sequence 25, Appl
C 30	15	62.5	859	4	US-09-247-373B-47	Sequence 47, Appl
C 31	15	62.5	1341	4	US-09-504-445-5	Sequence 5, Appl
C 32	15	62.5	1394	4	US-09-504-445-3	Sequence 3, Appl
C 33	15	62.5	1413	4	US-09-504-445-1	Sequence 1, Appl
C 34	15	62.5	2225	2	US-08-780-370A-1	Sequence 1, Appl
C 35	15	62.5	2643	4	US-09-399-913-56	Sequence 56, Appl
C 36	15	62.5	18627	4	US-08-961-527-113	Sequence 113, Appl
C 37	15	62.5	40352	3	US-08-846-111D-15	Sequence 15, Appl
C 38	15	62.5	40352	4	US-09-443-077-15	Sequence 15, Appl
C 39	15	62.5	50341	1	US-08-247-901C-1	Sequence 1, Appl
C 40	15	62.5	50341	2	US-09-075-904-1	Sequence 1, Appl
C 41	15	62.5	52297	4	US-09-426-436-1	Sequence 1, Appl
C 42	15	62.5	52297	4	US-08-705-557-1	Sequence 1, Appl
C 43	14.8	61.7	657	4	US-09-040-984-41	Sequence 41, Appl
C 44	14.8	61.7	657	4	US-09-123-912-41	Sequence 41, Appl
C 45	14.8	61.7	657	4	US-09-643-597-41	Sequence 41, Appl

ALIGNMENTS

```
RESULT 1
; US-09-103-840A-2/c
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICANT NUMBER: US/09/103,840A
; SOFTWARE: Patent Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2
Query Match 100.0%; Score 24; DB 4; Length 4403765;
Best Local Similarity 100.0%; Pred. No. 0.015;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CGAGACTAATTGGCGCTCGCTTGGC 24
Db 3082252 CGAGACTAATTGGCGCTCGCTTGGC 3082229
RESULT 2
; US-09-103-840A-1/c
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICANT NUMBER: US/09/103,840A
; SOFTWARE: Patent Ver. 2.1
; SEQ ID NOS: 2
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SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 4411529
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
OTHER INFORMATION: H37RV
US-09-103-840A-1

Query Match 100.0%; Score 24; DB 4; Length 4411529;
Best Local Similarity 100.0%; Pred. No. 0.015;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CGAGCTAATTGGCTGCTTGC 24
DB 3087569 CGAGCTAATTGGCTGCTTGC 3087546

RESULT 3
US-08-836-075A-23/C
Sequence 23, Application US/08836075A
Patent No. 6180768
GENERAL INFORMATION:
APPLICANT: MAERTENS, GERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE & DURKEE
STREET: P. O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS:004
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-836-075A-23

Query Match 70.0%; Score 16.8; DB 4; Length 447;
Best Local Similarity 90.0%; Pred. No. 14;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
OY 1 CGAGCTAATTGGCTGCTTGC 20
||||||| ||||| |||||

DB 233 CGAGCTAATTGGCTGCTTGC 214

RESULT 4
US-08-967-101-30/C
Sequence 30, Application US/08967101
Patent No. 5840540
GENERAL INFORMATION:
APPLICANT: ST. GEORGE-HYSLOP, PETER H
APPLICANT: ROMMENS, JOHANNA M
APPLICANT: FRASER, PAUL E
TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
TITLE OF INVENTION: TO ALZHEIMER'S DISEASE
NUMBER OF SEQUENCES: 183
CORRESPONDENCE ADDRESS:
ADDRESSEE: TESTA, HURWITZ & THIBEAULT
STREET: High Street Tower - 125 High Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/967,101
FILING DATE: 10-NOV-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/592,541
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Pitcher, Edmund R.
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 248-7000
TELEFAX: (617) 248-7100
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 363 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-967-101-30

Query Match 67.5%; Score 16.2; DB 2; Length 363;
Best Local Similarity 85.7%; Pred. No. 27;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 4 GACTAATTGGCTGCTTGC 24
DB 34 GACTAATTGGCTGCTGCTTGC 14
||||||| ||||| |||||

RESULT 5
US-08-592-541-30/C
Sequence 30, Application US/08592541
Patent No. 5986054
GENERAL INFORMATION:
APPLICANT: ST. GEORGE-HYSLOP, PETER H
APPLICANT: ROMMENS, JOHANNA M
APPLICANT: FRASER, PAUL E
TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
TITLE OF INVENTION: TO ALZHEIMER'S DISEASE
NUMBER OF SEQUENCES: 183
CORRESPONDENCE ADDRESS:
ADDRESSEE: TESTA, HURWITZ & THIBEAULT
STREET: High Street Tower - 125 High Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.

ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/592,541
FILING DATE:
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Pitcher, Edmund R.
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 248-7000
TELEFAX: (617) 248-7100
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 363 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-592-541-30

Query Match
Best Local Similarity 67.5%; Score 16.2; DB 2; Length 363;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 4 GACTAATTGGTGCTGGC 24
|||||
Db 34 GACTAATTGGTGCTGGC 14

RESULT 6
US-09-124-698-30/c
Sequence 30, Application US/09124698
Patent No. 6117978
GENERAL INFORMATION:
APPLICANT: ST. GEORGE-HYSLOP, PETER H
APPLICANT: ROMMENS, JOHANNA M
APPLICANT: FRASER, PAUL E
TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
TITLE OF INVENTION: TO ALZHEIMER'S DISEASE
NUMBER OF SEQUENCES: 183
CORRESPONDENCE ADDRESS:
ADDRESSEE: TESTA, HURWITZ & THIBEAULT
STREET: High Street Tower - 125 High Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/124,698
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/592,541
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Pitcher, Edmund R.
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 248-7000
TELEFAX: (617) 248-7100
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 363 base pairs
TYPE: nucleic acid
STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-124-698-30

Query Match
Best Local Similarity 67.5%; Score 16.2; DB 3; Length 363;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 4 GACTAATTGGTGCTGGC 24
|||||
Db 34 GACTAATTGGTGCTGGC 14

RESULT 7
US-09-127-480-30/c
Sequence 30, Application US/09127480
Patent No. 6194153
GENERAL INFORMATION:
APPLICANT: ST. GEORGE-HYSLOP, PETER H
APPLICANT: ROMMENS, JOHANNA M
APPLICANT: FRASER, PAUL E
TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
TITLE OF INVENTION: TO ALZHEIMER'S DISEASE
NUMBER OF SEQUENCES: 183
CORRESPONDENCE ADDRESS:
ADDRESSEE: TESTA, HURWITZ & THIBEAULT
STREET: High Street Tower - 125 High Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/127,480
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/592,541
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Pitcher, Edmund R.
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 248-7000
TELEFAX: (617) 248-7100
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 363 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-127-480-30

Query Match
Best Local Similarity 67.5%; Score 16.2; DB 4; Length 363;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 4 GACTAATTGGTGCTGGC 24
|||||
Db 34 GACTAATTGGTGCTGGC 14

RESULT 8
US-08-496-841C-30/c
Sequence 30, Application US/08496841C
Patent No. 6210919
GENERAL INFORMATION:
APPLICANT: ST. GEORGE-HYSLOP, PETER H
APPLICANT: ROMMENS, JOHANNA M

FRASER, PAUL E
TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
TO ALZHEIMER'S DISEASE
NUMBER OF SEQUENCES: 175
CORRESPONDENCE ADDRESS:
ADDRESSEE: Darby & Darby, PC
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/496,841C
FILING DATE: 28-Jun-1995
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Paul F. Fehner, Ph.D.
REGISTRATION NUMBER: 35,135
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 527-7700
TELEFAX: (212) 753-6237
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 363 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 30:
US-08-496-841C-30
Query Match 67.5%; Score 16.2; DB 4; Length 363;
Best Local Similarity 85.7%; Pred. No. 27;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
OY 4 GACTAATTGGTGCTGCTGGC 24
||||| ||||| ||||| |||||
DB 34 GACTAATTGGTGCTGCTGGC 14
RESULT 9
US-09-124-523-30/C
Sequence 30, Application US/09124523
Patent No. 6395960
GENERAL INFORMATION:
APPLICANT: ST. GEORGE-HYSLOP, PETER H
APPLICANT: ROMMENS, JOHANNA M
APPLICANT: FRASER, PAUL E
TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
TO ALZHEIMER'S DISEASE
NUMBER OF SEQUENCES: 183
CORRESPONDENCE ADDRESS:
ADDRESSEE: TESTA, HUMRITZ & THIBEAULT
STREET: High Street Tower - 125 High Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/124,523
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/592,541
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Plicher, Edmund R.
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 248-7000
TELEFAX: (617) 248-7100
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 363 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-124-523-30
Query Match 67.5%; Score 16.2; DB 4; Length 363;
Best Local Similarity 85.7%; Pred. No. 27;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
OY 4 GACTAATTGGTGCTGCTGGC 24
||||| ||||| ||||| |||||
DB 34 GACTAATTGGTGCTGCTGGC 14
RESULT 10
US-09-592-054-5
Sequence 5, Application US/09592054
Patent No. 6440684
GENERAL INFORMATION:
APPLICANT: Beraud, Christophe
APPLICANT: Finer, Jeffrey
APPLICANT: Sakowicz, Roman
APPLICANT: Wood, Kenneth
TITLE OF INVENTION: No. 6440684el motor proteins and methods for
FILE REFERENCE: 1016
CURRENT APPLICATION NUMBER: US/09/592,054
CURRENT FILING DATE: 2000-07-20
NUMBER OF SEQ ID NOS: 8
SOFTWARE: FastSeq for Win. vs Version 4.0
SEQ ID NO 5
LENGTH: 1421
TYPE: DNA
ORGANISM: Human
US-09-592-054-5
Query Match 67.5%; Score 16.2; DB 4; Length 1421;
Best Local Similarity 85.7%; Pred. No. 34;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
OY 3 AGACTAATTGGTGCTGCTGGC 23
||||| ||||| ||||| |||||
DB 532 AGACTGTTTGGTGCTGCTGGC 552
RESULT 11
US-09-592-054-3
Sequence 3, Application US/09592054
Patent No. 6440684
GENERAL INFORMATION:
APPLICANT: Beraud, Christophe
APPLICANT: Finer, Jeffrey
APPLICANT: Sakowicz, Roman
APPLICANT: Wood, Kenneth
TITLE OF INVENTION: No. 6440684el motor proteins and methods for
FILE REFERENCE: 1016
CURRENT APPLICATION NUMBER: US/09/592,054
CURRENT FILING DATE: 2000-07-20
NUMBER OF SEQ ID NOS: 8
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3

LENGTH: 1569
TYPE: DNA
ORGANISM: Human
US-09-592-054-3

Query Match 67.5%; Score 16.2; DB 4; Length 1569;
Best Local Similarity 85.7%; Pred. No. 34;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 3 AGACTAATTGGTGCTTGG 23
||||| ||||| ||||| |||||
DB 596 AGACTGTTTGGTGCTTGG 616

RESULT 12

US-08-961-527-72/C
Sequence 72, Application US/08961527
Patent No. 6420135
GENERAL INFORMATION:
APPLICANT: Charles Kunsch
TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences
NUMBER OF SEQUENCES: 391
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/961,527
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PB340P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8512
TELEFAX: (301) 309-8504
INFORMATION FOR SEQ ID NO: 72:
SEQUENCE CHARACTERISTICS:
LENGTH: 14872 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-961-527-72

Query Match 67.5%; Score 16.2; DB 4; Length 14872;
Best Local Similarity 85.7%; Pred. No. 50;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 2 GAGACTAATTGGTGCTTGG 22
||||| ||||| ||||| |||||
DB 12122 GAGATAAATTGGTGCTTGG 12102

RESULT 13

US-08-961-527-358
Sequence 358, Application US/08961527
Patent No. 6420135
GENERAL INFORMATION:
APPLICANT: Charles Kunsch
TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences
NUMBER OF SEQUENCES: 391

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/961,527
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PB340P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8512
TELEFAX: (301) 309-8504
INFORMATION FOR SEQ ID NO: 358:
SEQUENCE CHARACTERISTICS:
LENGTH: 653 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-961-527-358

Query Match 65.8%; Score 15.8; DB 4; Length 653;
Best Local Similarity 89.5%; Pred. No. 47;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 5 ACTAATTGGTGCTTGG 23
||||| ||||| ||||| |||||
DB 97 ACTAATTGGTGCTTGG 115

RESULT 14

US-08-835-170-1/C
Sequence 1, Application US/08835170
Patent No. 5965420
GENERAL INFORMATION:
APPLICANT: Greasy, Cartha
TITLE OF INVENTION: Human Protein Kinases hYAK3
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/835,170
FILING DATE: 26-FEB-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T

REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50004
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2061 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-08-835-170-1

Query Match 65.8%; Score 15.8; DB 2; length 2061;
Best Local Similarity 89.5%; Pred. No. 57;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 5 ACTAATTGGTGCCCTGG 23
||| ||||| ||||| |||||
DB 561 ACCACTTGGTGCCCTGG 543

RESULT 15
US-09-359-257-1/C
Sequence 1, Application US/09359257
Patent No. 6165766
GENERAL INFORMATION:
APPLICANT: Greasy, Caretha
APPLICANT: Xie, Wei
TITLE OF INVENTION: HUMAN PROTEIN KINASES HYAK3
FILE REFERENCE: GH50004X1D1
CURRENT APPLICATION NUMBER: US/09/359,257
CURRENT FILING DATE: 1999-07-22
EARLIER APPLICATION NUMBER: 08/835,170
EARLIER FILING DATE: 1997-04-07
EARLIER APPLICATION NUMBER: 60/040618
EARLIER FILING DATE: 1997-03-05
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1
LENGTH: 2061
TYPE: DNA
ORGANISM: Human
US-09-359-257-1

Query Match 65.8%; Score 15.8; DB 4; length 2061;
Best Local Similarity 89.5%; Pred. No. 57;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 5 ACTAATTGGTGCCCTGG 23
||| ||||| ||||| |||||
DB 561 ACCACTTGGTGCCCTGG 543

Search completed: February 18, 2003, 03:40:16
Job time : 1998.95 secs

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 21:30:48 ; Search time 128.279 Seconds
(without alignments)
95.291 Million cell updates/sec

Title: US-09-362-485-23

Perfect score: 24
Sequence: 1 CGAGACTAATTTGGGTGCTTGGC 24

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 424239 seqs, 25461826 residues

Total number of hits satisfying chosen parameters: 848478

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :
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2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
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11: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	18.2	75.8	111	10	US-09-728-445-832
2	16.8	70.0	447	9	US-09-851-138-23
3	16.6	69.2	883	10	US-09-867-701-10874
4	16.6	69.2	1889	10	US-09-867-701-10875
5	16.2	67.5	363	10	US-09-878-574-3038
6	16.2	67.5	546	10	US-09-974-300-5879
7	16.2	67.5	1772	9	US-09-938-8428-3769
8	16.2	67.5	56737	10	US-09-782-378A-17
9	16.2	67.5	368004	10	US-09-949-654-3
10	15.8	65.8	453	10	US-09-925-300-894
11	15.8	65.8	7011	10	US-09-954-456-964
12	15.8	65.8	32195	10	US-09-764-847-1512
13	15.6	65.0	513	10	US-09-960-253-30
14	15.6	65.0	518	10	US-09-864-761-8236
15	15.6	65.0	519	9	US-09-796-692-9102
16	15.6	65.0	595	10	US-09-833-381-1009
17	15.6	65.0	636	10	US-09-879-536-226
18	15.6	65.0	1165	10	US-09-263-959-240
19	15.6	65.0	1383	10	US-09-731-557A-1

c	20	15.6	65.0	2756	10	US-09-960-253-159	Sequence 159, App
	21	15.6	65.0	31314	10	US-09-764-877-3875	Sequence 3875, App
	22	15.6	65.0	81001	10	US-09-751-877-1	Sequence 1, Appl1
	23	15.6	65.0	684973	16	US-09-263-959-1	Sequence 1, Appl1
	24	15.4	64.2	4121	12	US-10-044-090-637	Sequence 637, App
	25	15.2	63.3	585	9	US-09-738-626-2611	Sequence 2611, App
	26	15.2	63.3	1623	10	US-09-815-242-6277	Sequence 6277, App
	27	15.2	63.3	2000	9	US-09-938-842A-3620	Sequence 3620, App
	28	15.2	63.3	2000	9	US-09-938-842A-5041	Sequence 5041, App
	29	15.2	63.3	2132	12	US-10-044-090-659	Sequence 659, App
	30	15.2	63.3	2205	10	US-09-764-864-67	Sequence 67, Appl1
	31	15.2	63.3	2663	10	US-09-892-867-2	Sequence 2, Appl1
	32	15.2	63.3	3530	10	US-09-764-847-1985	Sequence 1985, App
	33	15.2	63.3	3536	10	US-09-764-847-1984	Sequence 1984, App
	34	15.2	63.3	5288	10	US-09-764-878-386	Sequence 386, App
	35	15.2	63.3	11990	10	US-09-969-708-569	Sequence 569, App
	36	15.2	63.3	3309400	9	US-09-738-626-1	Sequence 1, Appl1
	37	15	62.5	192	10	US-09-878-574-3316	Sequence 3316, App
	38	15	62.5	241	10	US-09-864-761-18614	Sequence 18614, App
	39	15	62.5	244	10	US-09-833-381-960	Sequence 960, App
	40	15	62.5	400	10	US-09-878-574-4050	Sequence 4050, App
	41	15	62.5	414	10	US-09-867-550-717	Sequence 717, App
	42	15	62.5	434	10	US-09-983-965-3092	Sequence 3092, App
	43	15	62.5	466	10	US-09-864-761-5227	Sequence 5227, App
	44	15	62.5	469	10	US-09-864-761-1864	Sequence 1864, App
	45	15	62.5	470	10	US-09-864-761-6556	Sequence 6556, App

ALIGNMENTS

```
RESULT 1
US-09-728-445-832
; Sequence 832, Application US/09728445
; Patent No. US2002102543A1
; GENERAL INFORMATION:
; APPLICANT: Friedlich, Glenn
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Sands, Arthur F.
; TITLE OF INVENTION: NO. US2002102543A1 Mutated Mammalian Cells and
; FILE REFERENCE: LEX-0102-USA
; CURRENT APPLICATION NUMBER: US/09/728,445
; CURRENT FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/168,358
; PRIOR FILING DATE: 1999-12-01
; NUMBER OF SEQ ID NOS: 891
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 832
; LENGTH: 111
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-728-445-832

Query Match      75.8%; Score 18.2; DB 10; Length 111;
Best Local Similarity 87.0%; Pred. No. 4.7;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      2 GAGACTAATTTGGGTGCTTGGC 24
DB      19 GATCTGATTTGGGCGCTTGGC 41

RESULT 2
US-09-851-138-23/c
; Sequence 23, Application US/09851138
; Publication No. US20020183508A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT
; STUDYER, LIEVEN
; TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTI
AGENTS
```

```

NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
ADDRESSSEE: ARNOLD, WHITE & DURKEE
STREET: P.O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/851,138
FILING DATE: 09-May-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/836,075
FILING DATE: <Unknown>
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS:004
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-09-851-138-23

Query Match          70.0%; Score 16.8; DB 9; Length 447;
Best Local Similarity 90.0%; Pred. No. 29;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGAGACTAATTGGTGCTCCT 20
Db 233 CGAGACTGATTGTGTCCT 214

RESULT 3
US-09-867-701-10874/c
; Sequence 10874, Application US/09867701
; Patent No. US20020132237A1
; GENERAL INFORMATION:
; APPLICANT: Aglate, Paul A.
; APPLICANT: Jones, Robert
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.497
; CURRENT APPLICATION NUMBER: US/09/867,701
; CURRENT FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 10912
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10874
; LENGTH: 683
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 582,603
; OTHER INFORMATION: n = A,T,C or G
US-09-867-701-10874
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Query Match          69.2%; Score 16.6; DB 10; Length 683;
Best Local Similarity 82.6%; Pred. No. 39;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GAGACTAATTGGTGCTTGGC 24
Db 325 GAAACTGCTCTGGTGCTTGGC 303

RESULT 4
US-09-867-701-10875/c
; Sequence 10875, Application US/09867701
; Patent No. US20020132237A1
; GENERAL INFORMATION:
; APPLICANT: Aglate, Paul A.
; APPLICANT: Jones, Robert
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.497
; CURRENT APPLICATION NUMBER: US/09/867,701
; CURRENT FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 10912
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10875
; LENGTH: 1889
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-867-701-10875

Query Match          69.2%; Score 16.6; DB 10; Length 1889;
Best Local Similarity 82.6%; Pred. No. 45;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GAGACTAATTGGTGCTTGGC 24
Db 1371 GAACTGCTCTGGTGCTTGGC 1349

RESULT 5
US-09-878-574-3038/c
; Sequence 3038, Application US/09878574
; Patent No. US20020110548A1
; GENERAL INFORMATION:
; APPLICANT: Byrum, Joseph R.
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Thompson, Michael D.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(15401)B
; CURRENT APPLICATION NUMBER: US/09/878,574
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 09/333,535
; PRIOR FILING DATE: 1999-06-14
; NUMBER OF SEQ ID NOS: 15775
; SEQ ID NO 3038
; LENGTH: 363
; TYPE: DNA
; ORGANISM: Glycine max
; OTHER INFORMATION: Clone ID: L1B3028-016-Q1-B1-E9
US-09-878-574-3038

Query Match          67.5%; Score 16.2; DB 10; Length 363;
Best Local Similarity 85.7%; Pred. No. 36;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 4 GACTAATTGGTGCTTGGC 24
Db 275 GACAAAATTGGTACTTGGC 255

RESULT 6
US-09-974-300-5879/c
```

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; Sequence 5879, Application US/09974300
; Patent No. US20020146721A1
; GENERAL INFORMATION:
; APPLICANT: Berka, Randy M.
; APPLICANT: Clausen, Ib Groth
; TITLE OF INVENTION: Methods For Monitoring Multiple Gene
; TITLE OF INVENTION: Expression
; FILE REFERENCE: 10085.500-US
; CURRENT APPLICATION NUMBER: US/09/974,300
; CURRENT FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: 09/680,598
; PRIOR FILING DATE: 2000-10-06
; PRIOR APPLICATION NUMBER: 60/279,526
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 8481
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 5879
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Bacillus clausii
US-09-974-300-5879
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Query Match          67.5%; Score 16.2; DB 10; Length 546;
Best Local Similarity 85.7%; Pred. No. 59;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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```
OY      2 GAGACTAATTGGTGCTTG 22
DB      190 GAGCTTAATTGGCGCCTTG 170
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```
RESULT 7
US-09-938-842A-3769
; Sequence 3769, Application US/09938842A
; Patent No. US20020160378A1
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Kreps, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; TITLE OF INVENTION: SAME, AND METHODS OF USE
; FILE REFERENCE: S1300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO: 3769
; LENGTH: 1772
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-3769
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Query Match          67.5%; Score 16.2; DB 9; Length 1772;
Best Local Similarity 85.7%; Pred. No. 71;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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OY      2 GAGACTAATTGGTGCTTG 22
DB      482 GATACAAATTTGGATGCTTG 502
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RESULT 8
US-09-782-378A-17
; Sequence 17, Application US/09782378A
; Patent No. US20020102731A1
; GENERAL INFORMATION:
; APPLICANT: Hearing, Patrick
```

```
; APPLICANT: Bahou, Madie
; APPLICANT: Sandalon, Ziv
; APPLICANT: Gnatenko, Dmitri
; TITLE OF INVENTION: Adenoviral Vectors
; FILE REFERENCE: STONYB-04970
; CURRENT APPLICATION NUMBER: US/09/782,378A
; CURRENT FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/237,747
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 17
; LENGTH: 56737
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-782-378A-17
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Query Match          67.5%; Score 16.2; DB 10; Length 56737;
Best Local Similarity 85.7%; Pred. No. 1.2e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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OY      1 CGAGCTAATTGGTGCTT 21
DB      34523 CGTATTAATTGGTGCTT 34543
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RESULT 9
US-09-949-654-3
; Sequence 3, Application US/099,9654
; Patent No. US20020127644A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
; FILE REFERENCE: C1000817
; CURRENT APPLICATION NUMBER: US/09/949,654
; CURRENT FILING DATE: 2001-09-12
; PRIOR APPLICATION NUMBER: 60/231,572
; PRIOR FILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 3
; LENGTH: 368004
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(368004)
; OTHER INFORMATION: n - A,T,C or G
US-09-949-654-3
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Query Match          67.5%; Score 16.2; DB 10; Length 368004;
Best Local Similarity 85.7%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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OY      2 GAGACTAATTGGTGCTTG 22
DB      140790 GAGACTAGTTGGTGCTTG 140810
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```
RESULT 10
US-09-925-300-894/C
; Sequence 894, Application US/09925300
; Patent No. US20020151681A1
; GENERAL INFORMATION:
; APPLICANT: Craig Rosen,
; APPLICANT: Steve Ruben
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA101
; CURRENT APPLICATION NUMBER: US/09/925,300
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05988
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;; PRIOR FILING DATE: 2000-03-08
;; PRIOR APPLICATION NUMBER: 60/124,270
;; PRIOR FILING DATE: 1999-03-12
;; NUMBER OF SEQ ID NOS: 1890
;; SOFTWARE: PatentIn Ver. 2.0
;; SEQ ID NO: 894
;; LENGTH: 453
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: misc feature
;; LOCATION: (5)
;; OTHER INFORMATION: n equals a,t,g, or c
;; NAME/KEY: misc feature
;; LOCATION: (18)
;; OTHER INFORMATION: n equals a,t,g, or c
;; NAME/KEY: misc feature
;; LOCATION: (76)
;; OTHER INFORMATION: n equals a,t,g, or c
;; NAME/KEY: misc feature
;; LOCATION: (129)
;; OTHER INFORMATION: n equals a,t,g, or c
;; NAME/KEY: misc feature
;; LOCATION: (403)
;; OTHER INFORMATION: n equals a,t,g, or c
;; NAME/KEY: misc feature
;; LOCATION: (404)
;; OTHER INFORMATION: n equals a,t,g, or c
;; NAME/KEY: misc feature
;; LOCATION: (405)
;; OTHER INFORMATION: n equals a,t,g, or c
;; NAME/KEY: misc feature
;; LOCATION: (453)
;; OTHER INFORMATION: n equals a,t,g, or c
US-09-925-300-894

Query Match
Best Local Similarity 65.8%; Score 15.8; DB 10; Length 453;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 AGACTATTGGGTCCTT 21
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Db 278 AGATTATTGGGTCCTT 260

RESULT 11
US-09-954-456-964/C
; Sequence 964, Application US/09954456
; Patent No. US20020115057A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cand
; TITLE OF INVENTION: Sets
; FILE REFERENCE: 589290-76
; CURRENT APPLICATION NUMBER: US/09/954,456
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/60/233,617
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,052
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,923
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,134
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,637
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,638
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,711
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,720
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,840
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;; PRIOR FILING DATE: 2000-09-27
;; PRIOR APPLICATION NUMBER: US/60/235,863
;; PRIOR FILING DATE: 2000-09-27
;; NUMBER OF SEQ ID NOS: 2276
;; SOFTWARE: PatentIn version 3.0
;; SEQ ID NO: 964
;; LENGTH: 7011
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-09-954-456-964

Query Match
Best Local Similarity 65.8%; Score 15.8; DB 10; Length 7011;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 ACTAATTGGGTCCTTG 23
    ||| | ||||| |||||
Db 4737 ACTACTTGGGGGTCCTTG 4719

RESULT 12
US-09-764-847-1512/C
; Sequence 1512, Application US/09764847
; Patent No. US20020132767A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC009
; CURRENT APPLICATION NUMBER: US/09/764,847
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2003
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 1512
; LENGTH: 32195
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-847-1512

Query Match
Best Local Similarity 65.8%; Score 15.8; DB 10; Length 32195;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 ACTAATTGGGTCCTTG 23
    ||||| ||||| |||||
Db 28821 ACTAATTGGTTCCTTG 28803

RESULT 13
US-09-960-253-30/C
; Sequence 30, Application US/09960253
; Patent No. US20020123619A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Lodes, Michael J.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.556
; CURRENT APPLICATION NUMBER: US/09/960,253
; CURRENT FILING DATE: 2001-09-20
; NUMBER OF SEQ ID NOS: 187
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 30
; LENGTH: 513
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-960-253-30

Query Match
Best Local Similarity 65.0%; Score 15.6; DB 10; Length 513;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
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OY 1 CGAGACTATTGGTGCCTTG 22
Db 342 CGAGACTCTTTGGGTGACCTG 321

RESULT 14

US-09-864-761-8236
Sequence 8236, Application US/09864761
Patent No. US20020048763A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: Aeonica-X-1

CURRENT APPLICATION NUMBER: US/09/864,761

CURRENT FILING DATE: 2001-05-23

PRIOR APPLICATION NUMBER: US 60/180,312

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 09/632,366

PRIOR FILING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00662

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00661

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00670

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: US 60/234,687

PRIOR FILING DATE: 2000-09-21

PRIOR APPLICATION NUMBER: US 09/608,408

PRIOR FILING DATE: 2000-06-30

PRIOR APPLICATION NUMBER: US 09/774,203

PRIOR FILING DATE: 2001-01-29

NUMBER OF SEQ ID NOS: 49117

SOFTWARE: Annomax Sequence Listing Engine vers. 1.1

SEQ ID NO 8236

LENGTH: 518

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

OTHER INFORMATION: MAP TO AC000003.1

OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 5.3

OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 3.7

OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 4.5

OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.6

OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 4.9

OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 4.3

OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 4.7

OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 4.4

US-09-864-761-8236

Query Match 65.0%; Score 15.6; DB 10; Length 518;
Best Local Similarity 81.8%; Pred. No. 1.2e+02;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

OY 2 GAGACTAATTGGTGCCTTG 23
Db 427 GAGACTTTTGGGAGGCTTG 448

RESULT 15

US-09-796-692-9102/c
Sequence 9102, Application US/0979692
Publication No. US20020198362A1

GENERAL INFORMATION:

APPLICANT: Gaiger, Alexander
APPLICANT: Algate, Paul A.
APPLICANT: Mannion, Jane
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THE
TITLE OF INVENTION: HEMATOLOGICAL MALIGNANCIES
FILE REFERENCE: 2077.001200

CURRENT APPLICATION NUMBER: US/09/796,692

CURRENT FILING DATE: 2001-03-01

PRIOR APPLICATION NUMBER: 60/186,126

PRIOR FILING DATE: 2000-03-01

PRIOR APPLICATION NUMBER: 60/190,479

PRIOR FILING DATE: 2000-03-17

PRIOR APPLICATION NUMBER: 60/200,545

PRIOR FILING DATE: 2000-04-27

PRIOR APPLICATION NUMBER: 60/200,303

PRIOR FILING DATE: 2000-04-28

PRIOR APPLICATION NUMBER: 60/200,779

PRIOR FILING DATE: 2000-04-28

PRIOR APPLICATION NUMBER: 60/200,999

PRIOR FILING DATE: 2000-05-01

PRIOR APPLICATION NUMBER: 60/202,084

PRIOR FILING DATE: 2000-05-04

PRIOR APPLICATION NUMBER: 60/206,201

PRIOR FILING DATE: 2000-05-22

PRIOR APPLICATION NUMBER: 60/218,950

PRIOR FILING DATE: 2000-07-14

PRIOR APPLICATION NUMBER: 60/222,903

PRIOR FILING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: 60/223,416

PRIOR FILING DATE: 2000-08-04

PRIOR APPLICATION NUMBER: 60/223,378

PRIOR FILING DATE: 2000-08-07

NUMBER OF SEQ ID NOS: 9597

SOFTWARE: FASTSEQ for Windows Version 3.0

SEQ ID NO 9102

LENGTH: 519

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: unsure

LOCATION: (11)

OTHER INFORMATION: n=A,T,C or G

NAME/KEY: unsure

LOCATION: (26)

OTHER INFORMATION: n=A,T,C or G

NAME/KEY: unsure

LOCATION: (418)

OTHER INFORMATION: n=A,T,C or G

NAME/KEY: unsure

LOCATION: (431)

OTHER INFORMATION: n=A,T,C or G

NAME/KEY: unsure

LOCATION: (467)

OTHER INFORMATION: n=A,T,C or G

NAME/KEY: unsure

LOCATION: (482)

OTHER INFORMATION: n=A,T,C or G

NAME/KEY: unsure

LOCATION: (495)

OTHER INFORMATION: n=A,T,C or G
NAME/KEY: unsure
LOCATION: (512)
OTHER INFORMATION: n=A,T,C or G
NAME/KEY: unsure
LOCATION: (519)
OTHER INFORMATION: n=A,T,C or G
US-09-796-692-9102

Query Match 65.0%; Score 15.6; DB 9; Length 519;
Best Local Similarity 81.8%; Pred. No. 1.2e+02;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 AGACTAATTGGGTGGCTTGGC 24
||| | ||| ||| ||| ||| |||
Db 403 AGATTCATTTGGTCTTGGC 382

Search completed: February 18, 2003, 07:10:54
Job time : 206.279 secs

GenCore version 5.1.3
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OM.nucleic - nucleic search, using sw model

Run on: February 17, 2003, 16:07:27 : Search time 23.3031 Seconds
(without alignments)
210.565 Million cell updates/sec

Title: US-09-362-485-24

Perfect score: 16

Sequence: 1 ATTTGGGTGCTTGGC 16

Scoring table: IDENTITY_NUC

Gapop 10.0, Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: Issued Patents.NA.*
2: /cgn2_6/ptodata/2/ina/5A.COMB.seq.*
3: /cgn2_6/ptodata/2/ina/5B.COMB.seq.*
4: /cgn2_6/ptodata/2/ina/6A.COMB.seq.*
5: /cgn2_6/ptodata/2/ina/6B.COMB.seq.*
6: /cgn2_6/ptodata/2/ina/PCITUS.COMB.seq.*
7: /cgn2_6/ptodata/2/ina/backfile1.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the total being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	16	100.0	4403765	4 US-09-103-840A-2	Sequence 2, Appli
2	16	100.0	4411529	4 US-09-103-840A-1	Sequence 1, Appli
3	14	87.5	2061	2 US-08-835-170-1	Sequence 1, Appli
4	14	87.5	2061	4 US-09-359-257-1	Sequence 1, Appli
5	14	87.5	2061	4 US-09-371-674-1	Sequence 1, Appli
6	14	87.5	2327	2 US-08-835-170-3	Sequence 3, Appli
7	14	87.5	2327	4 US-09-359-257-3	Sequence 3, Appli
8	14	87.5	2327	4 US-09-371-674-3	Sequence 3, Appli
9	14	87.5	7451	2 US-08-743-637B-18	Sequence 18, Appli
10	14	87.5	3451	3 US-08-526-840B-18	Sequence 18, Appli
11	14	87.5	4325	2 US-08-888-497-21	Sequence 21, Appli
12	14	87.5	4325	4 US-09-362-230-21	Sequence 21, Appli
13	14	87.5	4325	5 PCT-US94-07926-21	Sequence 21, Appli
14	14	87.5	99500	4 US-09-798-096-10	Sequence 10, Appli
15	14	83.8	407	4 US-09-245-169-1	Sequence 1, Appli
16	14	83.8	667	4 US-09-129-030-25	Sequence 25, Appli
17	14	83.8	674	4 US-09-129-030-23	Sequence 23, Appli
18	14	83.8	1001	4 US-09-641-638-174	Sequence 174, App
19	14	83.8	1026	4 US-09-129-033-1	Sequence 1, Appli
20	14	83.8	1245	4 US-09-504-358-7	Sequence 7, Appli
21	14	83.8	1245	4 US-09-954-314-7	Sequence 7, Appli
22	14	83.8	1455	1 US-08-446-803-5	Sequence 5, Appli
23	14	83.8	1455	2 US-08-861-837-5	Sequence 5, Appli
24	14	83.8	1455	3 US-08-600-656-5	Sequence 5, Appli
25	14	83.8	1455	4 US-09-170-670-10	Sequence 10, Appli
26	14	83.8	1455	4 US-09-170-670-15	Sequence 15, Appli
27	14	83.8	1455	4 US-09-193-068-10	Sequence 10, Appli

28	13.4	83.8	1455	4 US-09-193-068-14	Sequence 14, Appli
29	13.4	83.8	1455	4 US-09-183-412-10	Sequence 10, Appli
30	13.4	83.8	1455	4 US-09-183-412-14	Sequence 14, Appli
31	13.4	83.8	1455	4 US-09-354-191A-5	Sequence 5, Appli
32	13.4	83.8	1455	4 US-09-290-734-10	Sequence 10, Appli
33	13.4	83.8	1455	4 US-09-290-734-15	Sequence 15, Appli
34	13.4	83.8	1573	6 5169835-5	Patent No. 5169835
35	13.4	83.8	2077	1 US-07-872-644-52	Sequence 52, Appli
36	13.4	83.8	2077	1 US-08-297-494-52	Sequence 52, Appli
37	13.4	83.8	2077	1 US-08-297-510-52	Sequence 52, Appli
38	13.4	83.8	2077	1 US-08-479-532-52	Sequence 52, Appli
39	13.4	83.8	2077	1 US-08-455-525-52	Sequence 52, Appli
40	13.4	83.8	2077	1 US-08-455-525-52	Sequence 52, Appli
41	13.4	83.8	2077	3 US-09-139-491-52	Sequence 52, Appli
42	13.4	83.8	2077	5 PCT-US92-03222-52	Sequence 52, Appli
43	13.4	83.8	2646	4 US-09-221-017B-558	Sequence 558, Appli
44	13.4	83.8	2693	1 US-07-872-644-50	Sequence 50, Appli
45	13.4	83.8	2693	1 US-08-297-494-50	Sequence 50, Appli

ALIGNMENTS

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RESULT 1
US-09-103-840A-2/c
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
US-09-103-840A-2
Query Match 100.0%; Score 16; DB 4; Length 4403765;
Best local Similarity 100.0%; Pred. No. 16;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATTTGGGTGCTTGGC 16
Db 3082244 ATTTGGGTGCTTGGC 3092229
RESULT 2
US-09-103-840A-1/c
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
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;; SOFTWARE: Patentin Ver. 2.1
;; SEQ ID NO 1
;; LENGTH: 4411529
;; TYPE: DNA
;; ORGANISM: Mycobacterium tuberculosis
;; OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match 100.0%; Score 16; DB 4; Length 4411529;
Best Local Similarity 100.0%; Pred. No. 16;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATTGGGTGCTTGGC 16
|||||
DB 3087561 ATTGGGTGCTTGGC 3087546

RESULT 3
US-08-835-170-1/C
; Sequence 1, Application US/08835170
; Patent No. 5965420
; GENERAL INFORMATION:
; APPLICANT: Creasy, Caretha
; APPLICANT: Wei Xie
; TITLE OF INVENTION: Human Protein Kinases hYAK3
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/835,170
; FILING DATE: 26-FEB-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Han, William T
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: GH50004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5219
; TELEFAX: 610-270-4026
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2061 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-835-170-1

Query Match 87.5%; Score 14; DB 2; Length 2061;
Best Local Similarity 100.0%; Pred. No. 89;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 TTGGGTGCTTGG 15
|||||
DB 556 TTGGGTGCTTGG 543

RESULT 4
US-09-359-257-1/C

;; Sequence 1, Application US/09359257
;; Patent No. 6165766
;; GENERAL INFORMATION:
;; APPLICANT: Creasy, Caretha
;; APPLICANT: Xie, Wei
;; TITLE OF INVENTION: HUMAN PROTEIN KINASES hYAK3
;; FILE REFERENCE: GH50004X1D1
;; CURRENT APPLICATION NUMBER: US/09/359,257
;; CURRENT FILING DATE: 1999-07-22
;; EARLIER APPLICATION NUMBER: 08/835,170
;; EARLIER FILING DATE: 1997-04-07
;; EARLIER APPLICATION NUMBER: 60/040618
;; EARLIER FILING DATE: 1997-03-05
;; NUMBER OF SEQ ID NOS: 4
;; SOFTWARE: FASTSEQ for Windows Version 3.0
;; SEQ ID NO 1
;; LENGTH: 2061
;; TYPE: DNA
;; ORGANISM: Human
US-09-359-257-1

Query Match 87.5%; Score 14; DB 4; Length 2061;
Best Local Similarity 100.0%; Pred. No. 89;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 TTGGGTGCTTGG 15
|||||
DB 556 TTGGGTGCTTGG 543

RESULT 5
US-09-371-674-1/C
; Sequence 1, Application US/09371674
; Patent No. 6323318
; GENERAL INFORMATION:
; APPLICANT: Lord, Kenneth A.
; APPLICANT: Dillion, Susan B.
; APPLICANT: Creasy, Caretha
; TITLE OF INVENTION: A METHOD FOR TREATING ANEMIA
; FILE REFERENCE: GH50041
; CURRENT APPLICATION NUMBER: US/09/371,674
; CURRENT FILING DATE: 1999-08-10
; EARLIER APPLICATION NUMBER: 60/119,045
; EARLIER FILING DATE: 1999-02-01
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 2061
; TYPE: DNA
; ORGANISM: Human
US-09-371-674-1

Query Match 87.5%; Score 14; DB 4; Length 2061;
Best Local Similarity 100.0%; Pred. No. 89;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 TTGGGTGCTTGG 15
|||||
DB 556 TTGGGTGCTTGG 543

RESULT 6
US-08-835-170-3/C
; Sequence 3, Application US/08835170
; Patent No. 5965420
; GENERAL INFORMATION:
; APPLICANT: Creasy, Caretha
; APPLICANT: Wei Xie
; TITLE OF INVENTION: Human Protein Kinases hYAK3
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road

CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/835,170
FILING DATE: 26-FEB-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50004
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 2327 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other
US-08-835-170-3

Query Match 87.5%; Score 14; DB 2; Length 2327;
Best Local Similarity 100.0%; Pred. No. 90;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 TTGGGTGCTTGG 15
DB 822 TTGGGTGCTTGG 809

RESULT 7
US-09-359-257-3/c
Sequence 3, Application US/09359257
Patent No. 6165766
GENERAL INFORMATION:
APPLICANT: Creasy, Caretha
APPLICANT: Xie, Wei
TITLE OF INVENTION: HUMAN PROTEIN KINASES HYAK3
FILE REFERENCE: GH50004X1D1
CURRENT APPLICATION NUMBER: US/09/359,257
CURRENT FILING DATE: 1999-07-22
EARLIER APPLICATION NUMBER: 08/835,170
EARLIER FILING DATE: 1997-04-07
EARLIER APPLICATION NUMBER: 60/040618
EARLIER FILING DATE: 1997-03-05
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 3
LENGTH: 2327
TYPE: DNA
ORGANISM: Human
US-09-359-257-3

Query Match 87.5%; Score 14; DB 4; Length 2327;
Best Local Similarity 100.0%; Pred. No. 90;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 TTGGGTGCTTGG 15
DB 822 TTGGGTGCTTGG 809

RESULT 8
US-09-371-674-3/c
Sequence 3, Application US/09371674
Patent No. 6323318
GENERAL INFORMATION:
APPLICANT: Lord, Kenneth A.
APPLICANT: Dillon, Susan B.
APPLICANT: Creasy, Caretha
TITLE OF INVENTION: A METHOD FOR TREATING ANEMIA
FILE REFERENCE: GH50041
CURRENT APPLICATION NUMBER: US/09/371,674
CURRENT FILING DATE: 1999-08-10
EARLIER APPLICATION NUMBER: 60/119,045
EARLIER FILING DATE: 1999-02-01
NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 3
LENGTH: 2327
TYPE: DNA
ORGANISM: Human
US-09-371-674-3

Query Match 87.5%; Score 14; DB 4; Length 2327;
Best Local Similarity 100.0%; Pred. No. 90;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 TTGGGTGCTTGG 15
DB 822 TTGGGTGCTTGG 809

RESULT 9
US-08-743-637B-18
Sequence 18, Application US/08743637B
Patent No. 599 066
GENERAL INFORMATION:
APPLICANT: BERGERON, Michel G.
APPLICANT: PICARD, Francois J.
APPLICANT: OUELLETTE, Marc
APPLICANT: ROY, Paul H.
TITLE OF INVENTION: SPECIES-SPECIFIC AND UNIVERSAL DNA
TITLE OF INVENTION: PROBES AND AMPLIFICATION PRIMERS TO RAPIDLY DETECT AND
IDENTIFY COMMON BACTERIAL PATHOGENS AND ASSOCIATED
TITLE OF INVENTION: ANTIBIOTIC RESISTANCE GENES FROM CLINICAL SPECIMENS ...
NUMBER OF SEQUENCES: 273
CORRESPONDENCE ADDRESS:
ADDRESSSEE: QUARLES & HRAVY
STREET: 411 EAST WISCONSIN AVENUE
CITY: MILWAUKEE
STATE: WISCONSIN
COUNTRY: USA
ZIP: 53202-4497
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/743,637B
FILING DATE: 04-NOV-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/526,840
FILING DATE: 11-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: BAKER, Jean C.
REGISTRATION NUMBER: 35,433
REFERENCE/DOCKET NUMBER: 850586,90012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (414) 277-5000
TELEFAX: (414) 277-5591
INFORMATION FOR SEQ ID NO: 18:

SEQUENCE CHARACTERISTICS:
LENGTH: 3451 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Pseudomonas aeruginosa
US-08-743-637B-18

Query Match 87.5%; Score 14; DB 2; Length 3451;
Best Local Similarity 100.0%; Pred. No. 94;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 3 TTGGTGCTTGGC 16
|||||
DB 1522 TTGGTGCTTGGC 1535

RESULT 10
US-08-526-840B-18

Sequence 18, Application US/08526840B
Patent No. 6001364

GENERAL INFORMATION:
APPLICANT: BERGERON, Michel G.
APPLICANT: QUELETTE, Marc
APPLICANT: ROY, Paul H.
TITLE OF INVENTION: SPECIFIC AND UNIVERSAL PROBES AND
TITLE OF INVENTION: AMPLIFICATION PRIMERS TO RAPIDLY DETECT AND IDENTIFY
TITLE OF INVENTION: COMMON BACTERIAL PATHOGENS AND ANTIBIOTIC RESISTANCE GENES
TITLE OF INVENTION: FROM CLINICAL SPECIMENS FOR ROUTINE DIAGNOSIS IN ...
NUMBER OF SEQUENCES: 177
CURRENT APPLICATION DATA:
CLASSIFICATION: 435
FILING DATE: 11-SEP-1995
APPLICATION NUMBER: US/08/526,840B
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/304,732
FILING DATE: 12-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: BAKER, Jean C.
REGISTRATION NUMBER: 35,433
REFERENCE/DOCKET NUMBER: 850586,90012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (414) 277-5000
TELEFAX: (414) 277-5591
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 3451 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Pseudomonas aeruginosa
US-08-526-840B-18

Query Match 87.5%; Score 14; DB 3; Length 3451;
Best Local Similarity 100.0%; Pred. No. 94;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 3 TTGGTGCTTGGC 16
|||||
DB 1522 TTGGTGCTTGGC 1535

RESULT 11

US-08-888-497-21/C
Sequence 21, Application US/08888497
Patent No. 5972677

GENERAL INFORMATION:
APPLICANT: Tischfield, Jay A.
APPLICANT: Selthamer, Jeffrey J.
TITLE OF INVENTION: Mammalian Phospholipase A2 Nucleotide
TITLE OF INVENTION: Sequences and Low Molecular Weight Amino Acid Sequences
TITLE OF INVENTION: Encoded Thereby, Antisense Sequences and Nucleotide
TITLE OF INVENTION: Sequences Having Internal Ribosome Binding Sites
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Ruden, Barnelt, McClosky, Smith, Schuster &
ADDRESSEE: Russell PA
STREET: 200 East Broadway Boulevard
CITY: Fort Lauderdale
STATE: FL
COUNTRY: USA
ZIP: 33301

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/888,497
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,405
FILING DATE:
APPLICATION NUMBER: US 08/097,354
FILING DATE: 26-JUL-1993
ATTORNEY/AGENT INFORMATION:
NAME: Manso, Peter J.
REGISTRATION NUMBER: 32,264
REFERENCE/DOCKET NUMBER: 1N21044-5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 305-764-4996
TELEFAX: 305-527-2498
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 4325 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 722..1195
US-08-888-497-21

Query Match 87.5%; Score 14; DB 2; Length 4325;
Best Local Similarity 100.0%; Pred. No. 96;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 TTGGTGCTTGGC 15
|||||
DB 1930 TTGGTGCTTGGC 1917

RESULT 12

US-09-362-230-21/C
Sequence 21, Application US/09362230
Patent No. 6352849

GENERAL INFORMATION:
APPLICANT: Tischfield, Jay A.

APPLICANT: Seilhamer, Jeffrey J.
TITLE OF INVENTION: Mammalian Phospholipase A2 Nucleotide
TITLE OF INVENTION: Sequences and Low Molecular Weight Amino Acid Sequences
TITLE OF INVENTION: Encoded Thereby, Antisense Sequences and Nucleotide
TITLE OF INVENTION: Sequences Having Internal Ribosome Binding Sites
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Ruden, Barnett, McClosky, Smith, Schuster &
ADDRESS: Russell PA
STREET: 200 East Broward Boulevard
CITY: Fort Lauderdale
STATE: FL
COUNTRY: USA
ZIP: 33301
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/362,230
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/888,497
FILING DATE:
APPLICATION NUMBER: US 08/097,354
FILING DATE: 26-JUL-1993
ATTORNEY/AGENT INFORMATION:
NAME: Manso, Peter J.
REGISTRATION NUMBER: 32,264
REFERENCE/DOCKET NUMBER: IN21044-5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 305-527-2498
TELEFAX: 305-764-4996
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 4325 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 722..1195
US-09-362-230-21
Query Match 87.5%; Score 14; DB 4; Length 4325;
Best Local Similarity 100.0%; Pred. No. 96;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 2 TTGGGTCCTTGG 15
DB 1930 TTGGGTCCTTGG 1917
RESULT 13
PCT-US94-07926-21/c
; Sequence 21, Application PC/TUS9407926
; GENERAL INFORMATION:
; APPLICANT: Tischfield, Jay A.
; APPLICANT: Seilhamer, Jeffrey J.
; TITLE OF INVENTION: Mammalian Phospholipase 2 Nucleotide
; TITLE OF INVENTION: Sequences and Low Molecular Weight Amino Acid Sequences
; TITLE OF INVENTION: Encoded Thereby, Antisense Sequences and Nucleotide
; TITLE OF INVENTION: Sequences Having Internal Ribosome Binding Sites
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ruden, Barnett, McClosky, Smith, Schuster &
; ADDRESS: Russell PA
; STREET: 200 East Broward Boulevard
; CITY: Fort Lauderdale
; STATE: FL

COUNTRY: USA
ZIP: 33301
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/07926
FILING DATE: 15-JUL-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/097,354
FILING DATE: 26-JUL-1993
ATTORNEY/AGENT INFORMATION:
NAME: Manso, Peter J.
REGISTRATION NUMBER: 32,264
REFERENCE/DOCKET NUMBER: IN21044-5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 305-527-2498
TELEFAX: 305-764-4996
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 4325 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 722..1195
PCT-US94-07926-21
Query Match 87.5%; Score 14; DB 5; Length 4325;
Best Local Similarity 100.0%; Pred. No. 96;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 2 TTGGGTCCTTGG 15
DB 1930 TTGGGTCCTTGG 191
RESULT 14
US-09-798-096-10
; Sequence 10, Application US/09798096
; Patent No. 6399378
; GENERAL INFORMATION:
; APPLICANT: Donna T. Ward
; APPLICANT: Andrew T. Wall
; TITLE OF INVENTION: ANTISENSE MODULATION OF RECOL2 EXPRESSION
; FILE REFERENCE: R15-0207
; CURRENT APPLICATION NUMBER: US/09/798,096
; CURRENT FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 10
; LENGTH: 99500
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; US-09-798-096-10
Query Match 87.5%; Score 14; DB 4; Length 99500;
Best Local Similarity 100.0%; Pred. No. 13e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 2 TTGGGTCCTTGG 15
DB 93225 TTGGGTCCTTGG 93238
RESULT 15
US-09-245-169-1/c
; Sequence 1, Application US/09245169

; Patent No. 6417208
; GENERAL INFORMATION:
; APPLICANT: Albert Einstein College of Medicine of Yeshiva University
; TITLE OF INVENTION: A METHOD OF IDENTIFICATION OF INHIBITORS OF PDEIC AND METHODS OF
; TITLE OF INVENTION: TREATMENT OF DIABETES
; FILE REFERENCE: 96700/556
; CURRENT APPLICATION NUMBER: US/09/245,169
; CURRENT FILING DATE: 1999-02-05
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 407
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-245-169-1

Query Match 83.8%; Score 13.4; DB 4; Length 407;
Best Local Similarity 93.3%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 2 TTTGGGTGCTTGGC 16
||||| |||||
DB 194 TTTGGGTACCTTGGC 180

Search completed: February 18, 2003, 04:15:15
Job time : 2122.3 secs

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 21:30:48 ; Search time 85.5192 Seconds

(without alignments)
95.291 Million cell updates/sec

Title: US-09-362-485-24

Perfect score: 16

Sequence: 1 ATTGGGCTTCCTTGGC 16

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 424239 seqs, 25461826 residues 848478

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications_NA:*

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- 2: /cgn2_6/ptodata/2/pubpna/PCCT_NEM_PUB.seq:*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEM_PUB.seq:*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEM_PUB.seq:*
- 6: /cgn2_6/ptodata/2/pubpna/PCCTUS_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEM_PUB.seq:*
- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
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- 11: /cgn2_6/ptodata/2/pubpna/US10_NEM_PUB.seq:*
- 12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2_6/ptodata/2/pubpna/US60_NEM_PUB.seq:*
- 14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	14.4	90.0	111	10	US-09-728-445-832 Sequence 832, App
2	14.4	90.0	4121	12	US-10-044-090-637 Sequence 637, App
3	14.4	90.0	40433	10	US-09-880-107-3327 Sequence 3327, App
4	14.4	90.0	143306	10	US-09-729-920-3 Sequence 3, Appl1
5	14	87.5	3451	10	US-09-452-599-18 Sequence 18, Appl1
6	13.4	83.8	201	10	US-09-878-574-9594 Sequence 9594, App
7	13.4	83.8	319	10	US-09-878-574-1043 Sequence 1043, App
8	13.4	83.8	352	10	US-09-878-574-2087 Sequence 2087, App
9	13.4	83.8	365	10	US-09-878-574-2332 Sequence 3232, App
10	13.4	83.8	381	10	US-09-878-574-416 Sequence 416, App
11	13.4	83.8	389	10	US-09-983-965-3054 Sequence 3054, App
12	13.4	83.8	398	10	US-09-960-352-11004 Sequence 11004, A
13	13.4	83.8	407	9	US-10-085-849-1 Sequence 1, Appl1
14	13.4	83.8	414	10	US-09-960-352-1376 Sequence 1376, App
15	13.4	83.8	482	10	US-09-864-761-5711 Sequence 5711, App
16	13.4	83.8	496	9	US-09-796-692-8046 Sequence 8046, App
17	13.4	83.8	505	10	US-09-783-590-8010 Sequence 8010, App
18	13.4	83.8	507	9	US-09-738-626-957 Sequence 957, App
19	13.4	83.8	544	10	US-09-864-761-7358 Sequence 7358, App

20	13.4	83.8	673	10	US-09-822-849A-572 Sequence 572, App
21	13.4	83.8	683	10	US-09-867-701-10874 Sequence 10874, A
22	13.4	83.8	779	10	US-09-925-300-628 Sequence 628, App
23	13.4	83.8	825	9	US-09-938-842A-678 Sequence 678, App
24	13.4	83.8	1050	10	US-09-770-842A-161 Sequence 161, App
25	13.4	83.8	1217	10	US-09-925-302-357 Sequence 357, App
26	13.4	83.8	1245	10	US-09-954-314-7 Sequence 7, Appl1
27	13.4	83.8	1446	10	US-09-739-907-55 Sequence 55, Appl1
28	13.4	83.8	1455	9	US-09-918-543-3 Sequence 3, Appl1
29	13.4	83.8	1455	10	US-09-769-864-10 Sequence 10, Appl1
30	13.4	83.8	1455	10	US-09-769-864-14 Sequence 14, Appl1
31	13.4	83.8	1455	10	US-09-854-346-3 Sequence 3, Appl1
32	13.4	83.8	1455	10	US-09-902-188A-5 Sequence 5, Appl1
33	13.4	83.8	1461	10	US-09-880-192-42 Sequence 42, Appl1
34	13.4	83.8	1847	10	US-09-764-847-1083 Sequence 1083, App
35	13.4	83.8	1886	10	US-09-764-847-1081 Sequence 1081, App
36	13.4	83.8	1889	10	US-09-867-701-10875 Sequence 10875, A
37	13.4	83.8	2077	10	US-09-883-825-52 Sequence 52, Appl1
38	13.4	83.8	2440	10	US-09-764-864-309 Sequence 309, App
39	13.4	83.8	2693	10	US-09-883-825-50 Sequence 50, Appl1
40	13.4	83.8	2747	9	US-09-978-295A-269 Sequence 269, App
41	13.4	83.8	2747	9	US-09-978-697-269 Sequence 269, App
42	13.4	83.8	2747	9	US-09-978-192A-269 Sequence 269, App
43	13.4	83.8	2747	9	US-09-999-832A-269 Sequence 269, App
44	13.4	83.8	2747	9	US-09-978-189-269 Sequence 269, App
45	13.4	83.8	2747	9	US-10-174-590-101 Sequence 101, App

ALIGNMENTS

RESULT 1
US-09-728-445-832
; Sequence 832, Application US/09728445
; Patent No. US20020102543A1
; GENERAL INFORMATION:
; APPLICANT: Friedreich, Glenn
; APPLICANT: Zamrowicz, Brian
; APPLICANT: Sands, Arthur W.
; TITLE OF INVENTION: NO. US20020102543A1 Mutated Mammalian Cells and
; TITLE OF INVENTION: Animals
; FILE REFERENCE: LEX-0102-USA
; CURRENT APPLICATION NUMBER: US/09/728,445
; CURRENT FILING DATE: 2000-11-10
; PRIOR APPLICATION NUMBER: US 60/168,358
; PRIOR FILING DATE: 1999-12-01
; NUMBER OF SEQ ID NOS: 891
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 832
; LENGTH: 111
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-728-445-832

Query Match 90.0%; Score 14.4; DB 10; Length 111;
Best Local Similarity 93.8%; Pred. No. 75;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 ATTGGGCTTCCTTGGC 16
||||| |||||||
DB 26 ATTGGGCTTCCTTGGC 41

RESULT 2
US-10-044-090-637
; Sequence 637, Application US/10044090
; Patent No. US20020137081A1
; GENERAL INFORMATION:
; APPLICANT: Ciga Bandman
; TITLE OF INVENTION: GENES DIFFERENTIALLY EXPRESSED IN VASCULAR TISSUE ACTIVATION
; FILE REFERENCE: PA-0028 US
; CURRENT APPLICATION NUMBER: US/10/044,090
; CURRENT FILING DATE: 2002-01-09


```

; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: ERL Program
; SEQ ID NO 637
; LENGTH: 4121
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: incyte ID NO. US20020137081A1 238125.5
; NAME/KEY: unsure
; LOCATION: 697, 702, 715
; OTHER INFORMATION: a, t, c, g, or other
US-10-044-090-637

Query Match
Best Local Similarity 90.0%; Score 14.4; DB 12; Length 4121;
Pred. No. 1.2e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATTTGGTGCTTGGC 16
DB 531 ACTTGCGCTTGGC 546

RESULT 3
US-09-880-107-3327
; Sequence 3327, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 3327
; LENGTH: 40433
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 U22376
US-09-880-107-3327

Query Match
Best Local Similarity 90.0%; Score 14.4; DB 10; Length 40433;
Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATTTGGTGCTTGGC 16
DB 22675 ATTTGAGTCTTGGC 22690

RESULT 4
US-09-729-920-3
; Sequence 3, Application US/09729920
; Patent No. US20020103115A1
; GENERAL INFORMATION:
; APPLICANT: GUEGLER, Karl et al
; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS.
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: C1000858
; CURRENT APPLICATION NUMBER: US/09/729,920
; CURRENT FILING DATE: 2000-12-06
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
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; SEQ ID NO 3
; LENGTH: 143306
; TYPE: DNA
; ORGANISM: Human
US-09-729-920-3

Query Match
Best Local Similarity 90.0%; Score 14.4; DB 10; Length 143306;
Pred. No. 1.8e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATTTGGTGCTTGGC 16
DB 81857 ATTTGGTGCTTGGC 81872

RESULT 5
US-09-452-599-18
; Sequence 18, Application US/09452599
; Patent No. US20020055101A1
; GENERAL INFORMATION:
; APPLICANT: Bergeron, Michel G.
; APPLICANT: Ouellette, Marc
; APPLICANT: Roy, Paul H.
; TITLE OF INVENTION: Specific and Universal Probes and Amplification Primers
; TITLE OF INVENTION: to Rapidly Detect and Identify Common Bacterial
; TITLE OF INVENTION: Pathogens and Antibiotic Resistance Genes from Clinical
; FILE REFERENCE: 12287.31
; CURRENT APPLICATION NUMBER: US/09/452,599
; CURRENT FILING DATE: 1999-12-01
; PRIOR APPLICATION NUMBER: 08/526,840
; PRIOR FILING DATE: 1995-09-11
; PRIOR APPLICATION NUMBER: 08/304,732
; PRIOR FILING DATE: 1994-09-12
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 18
; LENGTH: 3451
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-452-599-18

Query Match
Best Local Similarity 87.5%; Score 14; DB 10; Length 3451;
Pred. No. 1.9e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 TTGGTGCTTGGC 16
DB 1522 TTGGTGCTTGGC 1535

RESULT 6
US-09-878-574-9594
; Sequence 9594, Application US/09878574
; Patent No. US20020110548A1
; GENERAL INFORMATION:
; APPLICANT: Byrum, Joseph R.
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Thompson, Michael D.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: plants
; FILE REFERENCE: 38-21(15401)B
; CURRENT APPLICATION NUMBER: US/09/878,574
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 09/333,535
; PRIOR FILING DATE: 1999-06-14
; NUMBER OF SEQ ID NOS: 15775
; SEQ ID NO 9594
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Glycine max
; OTHER INFORMATION: Clone ID: 701102670H1
US-09-878-574-9594
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Query Match 83.8%; Score 13.4; DB 10; Length 201;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 TTTGGGTGCTTGGC 16
DB 80 TTTGGGTGCTTGGC 94

RESULT 7

US-09-878-574-1043
; Sequence 1043, Application US/09878574
; Patent No. US20020110548A1
; GENERAL INFORMATION:
; APPLICANT: Byrum, Joseph R.
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Thompson, Michael D.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(15401)B
; CURRENT APPLICATION NUMBER: US/09/878,574
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 09/333,535
; PRIOR FILING DATE: 1999-06-14
; NUMBER OF SEQ ID NOS: 15775
; SEQ ID NO 1043
; LENGTH: 319
; TYPE: DNA
; ORGANISM: Glycine max
; OTHER INFORMATION: Clone ID: LIB3028-043-Q1-B1-A12
US-09-878-574-1043

Query Match 83.8%; Score 13.4; DB 10; Length 319;
Best Local Similarity 93.3%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 TTTGGGTGCTTGGC 16
DB 207 TTTGGGTGCTTGGC 221

RESULT 8

US-09-878-574-2087/c
; Sequence 2087, Application US/09878574
; Patent No. US20020110548A1
; GENERAL INFORMATION:
; APPLICANT: Byrum, Joseph R.
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Thompson, Michael D.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(15401)B
; CURRENT APPLICATION NUMBER: US/09/878,574
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 09/333,535
; PRIOR FILING DATE: 1999-06-14
; NUMBER OF SEQ ID NOS: 15775
; SEQ ID NO 2087
; LENGTH: 352
; TYPE: DNA
; ORGANISM: Glycine max
; OTHER INFORMATION: Clone ID: LIB3028-029-Q1-B1-DB
US-09-878-574-2087

Query Match 83.8%; Score 13.4; DB 10; Length 352;
Best Local Similarity 93.3%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATTTGGGTGCTTGG 15
DB 66 ATTTGGGTGCTTGG 52

RESULT 9
US-09-878-574-3232/c
; Sequence 3232, Application US/09878574
; Patent No. US20020110548A1
; GENERAL INFORMATION:
; APPLICANT: Byrum, Joseph R.
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Thompson, Michael D.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(15401)B
; CURRENT APPLICATION NUMBER: US/09/878,574
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 09/333,535
; PRIOR FILING DATE: 1999-06-14
; NUMBER OF SEQ ID NOS: 15775
; SEQ ID NO 3232
; LENGTH: 365
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(365)
; OTHER INFORMATION: unsure at all n locations
US-09-878-574-3232

US-09-878-574-3232

Query Match 83.8%; Score 13.4; DB 10; Length 365;
Best Local Similarity 93.3%; Pred. No. 3e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATTTGGGTGCTTGG 15
DB 204 ATTTGGGTGCTTGG 190

RESULT 10

US-09-878-574-416
; Sequence 416, Application US/09878574
; Patent No. US20020110548A1
; GENERAL INFORMATION:
; APPLICANT: Byrum, Joseph R.
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Thompson, Michael D.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(15401)B
; CURRENT APPLICATION NUMBER: US/09/878,574
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 09/333,535
; PRIOR FILING DATE: 1999-06-14
; NUMBER OF SEQ ID NOS: 15775
; SEQ ID NO 416
; LENGTH: 381
; TYPE: DNA
; ORGANISM: Glycine max
; OTHER INFORMATION: Clone ID: LIB3028-051-Q1-B1-B2
US-09-878-574-416

Query Match 83.8%; Score 13.4; DB 10; Length 381;
Best Local Similarity 93.3%; Pred. No. 3e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 TTTGGGTGCTTGGC 16
DB 225 TTTGGGTGCTTGGC 239

RESULT 11
US-09-983-965-3054/c
; Sequence 3054, Application US/09983965
; Patent No. US20020137160A1

GENERAL INFORMATION:
APPLICANT: Warren, Wesley C.
APPLICANT: Tao, Nengbing
APPLICANT: Byatt, John C.
APPLICANT: Mathialagan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
FILE REFERENCE: 37-21(10297)C
CURRENT APPLICATION NUMBER: US/09/983,965
CURRENT FILING DATE: 2001-10-26
PRIOR APPLICATION NUMBER: US 09/465,231
PRIOR FILING DATE: 1999-12-15
PRIOR APPLICATION NUMBER: US 60/113,678
PRIOR FILING DATE: 1998-12-17
NUMBER OF SEQ ID NOS: 5912
SEQ ID NO 3054
LENGTH: 389
TYPE: DNA
ORGANISM: Bos taurus
FEATURE:
OTHER INFORMATION: Clone ID: 23-LIB3058-016-Q1-K1-P3
US-09-983-965-3054

Query Match 83.8%; Score 13.4; DB 10; Length 389;
Best Local Similarity 93.3%; Pred. No. 3e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 ATTTGGCTGCTTGG 15
DB 175 ATCTGGCTGCTTGG 161

RESULT 12
US-09-960-352-11004/C
Sequence 11004, Application US/09960352
Patent No. US20020137139A1
GENERAL INFORMATION:
APPLICANT: Warren, Wesley C.
APPLICANT: Tao, Nengbing
APPLICANT: Byatt, John C.
APPLICANT: Mathialagan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
FILE REFERENCE: 16511.006/37-21(10298)C
CURRENT APPLICATION NUMBER: US/09/960,352
CURRENT FILING DATE: 2001-09-24
NUMBER OF SEQ ID NOS: 15112
SEQ ID NO 11004
LENGTH: 398
TYPE: DNA
ORGANISM: Bos taurus
OTHER INFORMATION: Clone ID: 47-LIB34-011-Q1-E1-012
US-09-960-352-11004

Query Match 83.8%; Score 13.4; DB 10; Length 398;
Best Local Similarity 93.3%; Pred. No. 3e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 ATTTGGCTGCTTGG 15
DB 96 ATTTGGCTGCTTGG 82

RESULT 13
US-10-085-849-1/C
Sequence 1, Application US/10085849
Patent No. US20020160939A1
GENERAL INFORMATION:
APPLICANT: Albert Einstein College of Medicine of Yeshiva University
TITLE OF INVENTION: A METHOD OF IDENTIFICATION OF INHIBITORS OF PPHIC AND
METHODS OF
TITLE OF INVENTION: TREATMENT OF DIABETES
FILE REFERENCE: 96700/556

CURRENT APPLICATION NUMBER: US/10/085,849
CURRENT FILING DATE: 2002-02-27
PRIOR APPLICATION NUMBER: US/09/245,169
PRIOR FILING DATE: 1999-02-05
NUMBER OF SEQ ID NOS: 7
SOFTWARE: Patent version 3.0
SEQ ID NO 1
LENGTH: 407
TYPE: DNA
ORGANISM: Mus musculus
US-10-085-849-1

Query Match 83.8%; Score 13.4; DB 9; Length 407;
Best Local Similarity 93.3%; Pred. No. 3e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 2 TTGGCTGCTTGGC 16
DB 194 TTGGCTGCTTGGC 180

RESULT 14
US-09-960-352-1376/C
Sequence 1376, Application US/09960352
Patent No. US20020137139A1
GENERAL INFORMATION:
APPLICANT: Warren, Wesley C.
APPLICANT: Tao, Nengbing
APPLICANT: Byatt, John C.
APPLICANT: Mathialagan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
FILE REFERENCE: 16511.006/37-21(10298)C
CURRENT APPLICATION NUMBER: US/09/960,352
CURRENT FILING DATE: 2001-09-24
NUMBER OF SEQ ID NOS: 15112
SEQ ID NO 1376
LENGTH: 414
TYPE: DNA
ORGANISM: Bos taurus
OTHER INFORMATION: Clone ID: 06-LIB34-081-Q1-EJ-B5
US-09-960-352-1376

Query Match 83.8%; Score 13.4; DB 10; Length 414;
Best Local Similarity 93.3%; Pred. No. 3e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 ATTTGGCTGCTTGG 15
DB 120 ATTTGGCTGCTTGG 106

RESULT 15
US-09-864-761-5711/C
Sequence 5711, Application US/09864761
Patent No. US20020048763A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
FILE REFERENCE: Aecmiga-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263,6

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? PRIOR FILING DATE: 2000-10-04
? PRIOR APPLICATION NUMBER: US 60/236,359
? PRIOR FILING DATE: 2000-09-27
? PRIOR APPLICATION NUMBER: PCT/US01/00666
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00667
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00664
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00669
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00665
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00668
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00663
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00662
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00661
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00670
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: US 60/234,687
? PRIOR FILING DATE: 2000-09-21
? PRIOR APPLICATION NUMBER: US 09/608,408
? PRIOR FILING DATE: 2000-06-30
? PRIOR APPLICATION NUMBER: US 09/774,203
? PRIOR FILING DATE: 2001-01-29
? NUMBER OF SEQ ID NOS: 49117
? SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
? SEQ ID NO 5711
? LENGTH: 482
? TYPE: DNA
? ORGANISM: Homo sapiens
? FEATURE:
? OTHER INFORMATION: MAP TO AC004924.2
? OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 13
? OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 19
? OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 15
? OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 8.4
? OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 7.5
? OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 6.8
? OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 4.9
? OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 20
US-09-864-761-5711

Query Match      83.88; Score 13.4; DB 10; Length 482;
Best Local Similarity 93.38; Pred. No. 3.1e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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OY 1 ATTTGGTGCTTGG 15
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Db 173 ATTTGGTGCTTGG 159

Search completed: February 18, 2003, 07:11:23
Job time : 114.519 secs

GenCore version 5.1.1
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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 16:07:27 ; Search time 26.216 Seconds

(Without alignments)
(210,565 'million cell updates/sec

Title: US-09-362-485-25

Perfect score: 18

Sequence: 1 GGCGCGAGTCGACCGGC 18

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Issued_Patents_NA : *

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2: /cgn2_6/ptodata/2/ina/5B.COMB.seq:*

3: /cgn2_6/ptodata/2/ina/6A.COMB.seq:*

4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*

5: /cgn2_6/ptodata/2/ina/PCTUS.COMB.seq:*

6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	18	100.0	4403765	4 US-09-103-840A-2	Sequence 2, Appl 1
2	18	100.0	4411529	4 US-09-103-840A-1	Sequence 1, Appl 1
3	15.4	85.6	1227	4 US-09-385-028-23	Sequence 23, Appl 1
4	15.4	85.6	15079	4 US-09-385-028-1	Sequence 1, Appl 1
5	15.4	85.6	44377	2 US-08-804-227C-7	Sequence 7, Appl 1
6	15.4	85.6	44377	2 US-08-804-198-1	Sequence 1, Appl 1
7	14.8	82.2	135	4 US-09-018-635-38	Sequence 18, Appl 1
8	14.8	82.2	366	4 US-09-060-756-187	Sequence 187, Appl 1
9	14.8	82.2	495	4 US-08-133-711-41	Sequence 41, Appl 1
10	14.8	82.2	706	4 US-09-470-191-60	Sequence 60, Appl 1
11	14.8	82.2	2004	1 US-08-471-033-18	Sequence 18, Appl 1
12	14.8	82.2	2004	2 US-08-471-044-18	Sequence 18, Appl 1
13	14.8	82.2	2004	2 US-08-463-483A-18	Sequence 18, Appl 1
14	14.8	82.2	2004	2 US-08-471-046A-11	Sequence 11, Appl 1
15	14.8	82.2	2004	2 US-08-470-566B-11	Sequence 11, Appl 1
16	14.8	82.2	2004	2 US-08-469-334-18	Sequence 18, Appl 1
17	14.8	82.2	2004	3 US-09-300-529-18	Sequence 18, Appl 1
18	14.8	82.2	2119	4 US-09-018-635-28	Sequence 28, Appl 1
19	14.8	82.2	2456	4 US-09-064-693A-19	Sequence 19, Appl 1
20	14.8	82.2	2576	1 US-08-471-033-35	Sequence 35, Appl 1
21	14.8	82.2	2576	1 US-08-471-044-35	Sequence 35, Appl 1
22	14.8	82.2	2576	2 US-08-463-483A-35	Sequence 35, Appl 1
23	14.8	82.2	2576	2 US-08-471-046A-35	Sequence 35, Appl 1
24	14.8	82.2	2576	2 US-08-470-566B-35	Sequence 35, Appl 1
25	14.8	82.2	2576	2 US-08-469-334-35	Sequence 35, Appl 1
26	14.8	82.2	2576	3 US-09-300-529-35	Sequence 35, Appl 1
27	14.8	82.2	2655	1 US-08-471-033-17	Sequence 17, Appl 1

28	14.8	82.2	2655	1 US-08-471-033-26	Sequence 26, Appl 1
29	14.8	82.2	2655	2 US-08-471-044-17	Sequence 17, Appl 1
30	14.8	82.2	2655	2 US-08-471-044-26	Sequence 26, Appl 1
31	14.8	82.2	2655	2 US-08-463-483A-17	Sequence 17, Appl 1
32	14.8	82.2	2655	2 US-08-463-483A-26	Sequence 26, Appl 1
33	14.8	82.2	2655	2 US-08-471-046A-17	Sequence 17, Appl 1
34	14.8	82.2	2655	2 US-08-471-046A-26	Sequence 26, Appl 1
35	14.8	82.2	2655	2 US-08-470-566B-17	Sequence 17, Appl 1
36	14.8	82.2	2655	2 US-08-470-566B-26	Sequence 26, Appl 1
37	14.8	82.2	2655	2 US-08-469-334-17	Sequence 17, Appl 1
38	14.8	82.2	2655	2 US-08-469-334-26	Sequence 26, Appl 1
39	14.8	82.2	2655	3 US-09-300-529-17	Sequence 17, Appl 1
40	14.8	82.2	2655	3 US-09-300-529-26	Sequence 26, Appl 1
41	14.8	82.2	4031	1 US-08-471-033-49	Sequence 49, Appl 1
42	14.8	82.2	4031	2 US-08-471-044-49	Sequence 49, Appl 1
43	14.8	82.2	4031	2 US-08-463-483A-49	Sequence 49, Appl 1
44	14.8	82.2	4031	2 US-08-471-046A-49	Sequence 49, Appl 1
45	14.8	82.2	4031	2 US-08-470-566B-49	Sequence 49, Appl 1

ALIGNMENTS

RESULT 1

US-09-103-840A-2/c

SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 4411529
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match 100.0%; Score 18; DB 4; Length 4411529;
Best Local Similarity 100.0%; Pred. No. 1.6;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCGCGCAGTCGACCGC 18
|||||

Db 3087242 GCGCGCAGTCGACCGC 3087225

RESULT 3

US-09-385-028-23/C
Sequence 23, Application US/09385028
Patent No. 6232106
GENERAL INFORMATION:
APPLICANT: Susan E. Jensen
APPLICANT: Kwamea A. Aldoo
APPLICANT: Ashish S. Paradkar
TITLE OF INVENTION: DNA Sequence Encoding Enzymes of Clavulanic
Patent No. 6232106
TITLE OF INVENTION: Acid Biosynthesis
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: JACOBSON, PRICE, HOLMAN & STERN, PLLC
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/385,028
FILING DATE:
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/790,462
FILING DATE: 29-JAN-1997
ATTORNEY/AGENT INFORMATION:
NAME: D. Douglas Price
REGISTRATION NUMBER: 24,514
REFERENCE/DOCKET NUMBER: 1418/P57452052
TELEPHONE: (202) 638-6666
TELEFAX: (202) 39305350
TELEX: RCA 248593 IDEA UR
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 1227 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-385-028-23

Query Match 85.6%; Score 15.4; DB 4; Length 1227;
Best Local Similarity 94.1%; Pred. No. 78;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGCGCAGTCGACCGC 17
|||||

Db 83 GCGCGCAGTCGACCGC 67

RESULT 4

US-09-385-028-1/C
Sequence 1, Application US/09385028
Patent No. 6232106
GENERAL INFORMATION:
APPLICANT: Susan E. Jensen
APPLICANT: Kwamea A. Aldoo
APPLICANT: Ashish S. Paradkar
TITLE OF INVENTION: DNA Sequence Encoding Enzymes of Clavulanic
Patent No. 6232106
TITLE OF INVENTION: Acid Biosynthesis
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: JACOBSON, PRICE, HOLMAN & STERN, PLLC
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/385,028
FILING DATE:
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/790,462
FILING DATE: 29-JAN-1997
ATTORNEY/AGENT INFORMATION:
NAME: D. Douglas Price
REGISTRATION NUMBER: 24,514
REFERENCE/DOCKET NUMBER: 1418/P57452052
TELEPHONE: (202) 638-6666
TELEFAX: (202) 39305350
TELEX: RCA 248593 IDEA UR
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 15079 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: Streptomyces clavuligerus
US-09-385-028-1

Query Match 85.6%; Score 15.4; DB 4; Length 15079;
Best Local Similarity 94.1%; Pred. No. 53;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGCGCAGTCGACCGC 17
|||||

Db 13851 GCGCGCAGTCGACCGC 13835

RESULT 5

US-08-804-227C-7/C
Sequence 7, Application US/08804227C
Patent No. 5876991
GENERAL INFORMATION:
APPLICANT: Dehoff, Bradley S.
APPLICANT: Kunstoss, Stuart A.
APPLICANT: Kostock, Paul R., Jr.
APPLICANT: Sutton, Kimberly L.
TITLE OF INVENTION: POLYKETIDE SYNTHASE GENES
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:

LOCATION: (1)...(706)
OTHER INFORMATION: n = any nucleotide
US-09-470-191-60

Query Match 82.2%; Score 14.8; DB 4; Length 706;
Best Local Similarity 88.9%; Pred. No. 1.6e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCGCGCAGTCGACCGC 18
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Db 121 GCGCAGCAGCGACCGC 104

RESULT 11
US-08-471-033-18
Sequence 18, Application US/08471033
Patent No. 5770696

GENERAL INFORMATION:
APPLICANT: Warren, Gregory W
APPLICANT: Koziele, Michael G
APPLICANT: Mullins, Martha A
APPLICANT: Nye, Gordon J
APPLICANT: Carr, Brian
APPLICANT: Desai, Nalin M
APPLICANT: Kostichka, N. Kristy
APPLICANT: Duck, Nicholas B
APPLICANT: Estruch, Juan J
TITLE OF INVENTION: No. 5770696el Pesticidal Proteins and Strains
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: CIBA-GEIGY Corporation
STREET: 7 Skyline Drive
City: Hawthorne
STATE: NY
COUNTRY: USA
ZIP: 10532

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30B
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/471,033
FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/314,594
FILING DATE: 09-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/218,018
FILING DATE: 23-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/037,057
FILING DATE: 25-MAR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Pace, Gary M.
REGISTRATION NUMBER: P-40,403
REFERENCE/DOCKET NUMBER: CGC 1695/CIP3/DIV7 - SOLV3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8582
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 2004 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..2004

OTHER INFORMATION: /note="Maize optimized DNA
OTHER INFORMATION: sequence for VIP1(a) 80 kd protein from AB78"
US-08-471-033-18

Query Match 82.2%; Score 14.8; DB 1; Length 2004;
Best Local Similarity 88.9%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCGCGCAGTCGACCGC 18
11111111111111111111
Db 844 GCGCGCAGTCGACCGC 861

RESULT 12
US-08-471-044-18
Sequence 18, Application US/08471044
Patent No. 5840868

GENERAL INFORMATION:
APPLICANT: Warren, Gregory W
APPLICANT: Koziele, Michael G
APPLICANT: Mullins, Martha A
APPLICANT: Nye, Gordon J
APPLICANT: Carr, Brian
APPLICANT: Desai, Nalin M
APPLICANT: Kostichka, N. Kristy
APPLICANT: Duck, Nicholas B
APPLICANT: Estruch, Juan J
TITLE OF INVENTION: No. 5840868el Pesticidal Proteins and Strains
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: CIBA-GEIGY Corporation
STREET: 7 Skyline Drive
City: Hawthorne
STATE: NY
COUNTRY: USA
ZIP: 10532

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-MS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30B
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/471,044
FILING DATE: 06-JUN-1995
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/446,483
FILING DATE: 05-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/414,594
FILING DATE: 09-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/218,018
FILING DATE: 23-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/037,057
FILING DATE: 25-MAR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Pace, Gary M.
REGISTRATION NUMBER: 40,403
REFERENCE/DOCKET NUMBER: CGC 1695/CIP3/DIV6 - SOLV3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8582
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 2004 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO

FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..2004 /note="Maize optimized DNA"
OTHER INFORMATION: sequence for VIP1A(a) 80 kd protein from AB78"
US-08-471-044-18

Query Match 82.2% Score 14.8; DB 2; Length 2004;
Best Local Similarity 88.9%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGCAGTGCACCGC 18
|||||
DB 844 GCGCGCAGTGCACCGC 861

RESULT 13
US-08-463-483A-18
Sequence 18, Application US/08463483A
Patent No. 5849870
GENERAL INFORMATION:
APPLICANT: Warren, Gregory W
APPLICANT: Koziel, Michael G
APPLICANT: Mullins, Martha A
APPLICANT: Nye, Gordon J
APPLICANT: Desai, Nalin M
APPLICANT: Kostichka, N. Kristy
APPLICANT: Duck, Nicholas B
APPLICANT: Estruch, Juan J
TITLE OF INVENTION: No. 5849870e1 Pesticidal Proteins and Strains
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: CIBA-GEIGY Corporation
STREET: 7 Skyline Drive
CITY: Hawthorne
STATE: NY
COUNTRY: USA
ZIP: 10512
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30B
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/463,483A
FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/314,594
FILING DATE: 09-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/218,018
FILING DATE: 23-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/037,057
FILING DATE: 25-MAR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Spruill W. Murray
REGISTRATION NUMBER: 32,943
REFERENCE/DOCKET NUMBER: CGC 1695/CIP3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8615
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 2004 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO

FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..2004 /note="Maize optimized DNA"
OTHER INFORMATION: sequence for VIP1A(a) 80 kd protein from AB78"
US-08-463-483A-18

Query Match 82.2% Score 14.8; DB 2; Length 2004;
Best Local Similarity 88.9%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGCAGTGCACCGC 18
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DB 844 GCGCGCAGTGCACCGC 861

RESULT 14
US-08-471-046A-18
Sequence 18, Application US/08471046A
Patent No. 5866326
GENERAL INFORMATION:
APPLICANT: Warren, Gregory W
APPLICANT: Koziel, Michael G
APPLICANT: Mullins, Martha A
APPLICANT: Nye, Gordon J
APPLICANT: Carr, Brian
APPLICANT: Desai, Nalin M
APPLICANT: Kostichka, N. Kristy
APPLICANT: Duck, Nicholas B
APPLICANT: Estruch, Juan J
TITLE OF INVENTION: Method for Isolating Vegetative Insecticidal
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 5866326a/r1s Corporation
STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
STATE: NC
COUNTRY: USA
ZIP: 27709
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30B
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/471,046A
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/463,483
FILING DATE: 05-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/314,594
FILING DATE: 09-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/218,018
FILING DATE: 23-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/DOCKET NUMBER: CGC1695/CIP3/DIV8 - SOLV4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8587
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 2004 base pairs
TYPE: nucleic acid
STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOHETICAL: NO
ANTI-SENSE: NO
FEATURE:
NAME/KEY: misc.feature
LOCATION: 1..2004
OTHER INFORMATION: /note="Maize optimized DNA
US-08-471-046A-18
Query Match 82.2%; Score 14.8; DB 2; Length 2004;
Best Local Similarity 88.9%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 GCGCGCGAGTCGACCGC 18
Db 844 GCGCGCGAGTCGACCGC 861
RESULT 15
US-08-470-566B-18
Sequence 18, Application US/08470566B
Patent No. 5872212
GENERAL INFORMATION:
APPLICANT: Warren, Gregory M
APPLICANT: Koziel, Michael G
APPLICANT: Mullins, Martha A
APPLICANT: Nye, Gordon J
APPLICANT: Carr, Brian
APPLICANT: Desai, Nalini M
APPLICANT: Kostichka, N. Kristy
APPLICANT: Duck, Nicholas B
APPLICANT: Estruch, Juan J
TITLE OF INVENTION: No. 5872212e1 Pesticidal proteins and strains
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 5872212artis Corporation
STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
STATE: NC
COUNTRY: USA
ZIP: 27709
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30B
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/470,566B
FILING DATE: 06-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/463,483
FILING DATE: 05-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/314,594
FILING DATE: 09-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/218,018
FILING DATE: 23-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/037,057
FILING DATE: 25-MAR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/DOCKET NUMBER: GGC1695/CIP3/DIV4 - SOLV4
TELEPHONE: 919-541-8587
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:

LENGTH: 2004 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOHETICAL: NO
ANTI-SENSE: NO
FEATURE:
NAME/KEY: misc.feature
LOCATION: 1..2004
OTHER INFORMATION: /note="Maize optimized DNA
US-08-470-566B-18
Query Match 82.2%; Score 14.8; DB 2; Length 2004;
Best Local Similarity 88.9%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 GCGCGCGAGTCGACCGC 18
Db 844 GCGCGCGAGTCGACCGC 861

Search completed: February 18, 2003, 04:47:22
Job time: 1953.22 secs

Gencore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: February 17, 2003, 21:30:48 ; Search time 96.2091 Seconds

(without alignments)
95.291 Million cell updates/sec

Title: US-09-362-485-25

Perfect score: 18

Sequence: 1 GCGCGGAGTCCAGCCGC 18

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 424239 seqs, 25461826 residues

Total number of hits satisfying chosen parameters: 848478

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published.Applications_NA:*
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14: /cgn2_6/prodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	16.4	91.1	1520	9 US-10-087-667-4	Sequence 4, Appl1
2	15.4	85.6	852	10 US-09-815-242-7957	Sequence 7957, Ap
3	14.8	82.2	135	10 US-09-912-962-38	Sequence 38, Appl
4	14.8	82.2	255	10 US-09-923-876-2324	Sequence 2324, Ap
5	14.8	82.2	615	10 US-09-974-300-2123	Sequence 123, Ap
6	14.8	82.2	843	10 US-09-917-800A-1508	Sequence 1508, Ap
7	14.8	82.2	1143	10 US-09-818-564-1	Sequence 1, Appl1
8	14.8	82.2	1377	9 US-09-738-626-1803	Sequence 1803, Ap
9	14.8	82.2	1623	9 US-09-712-363-23	Sequence 23, Appl
10	14.8	82.2	2073	9 US-10-068-059-9	Sequence 9, Appl1
11	14.8	82.2	2119	10 US-09-912-962-28	Sequence 28, Appl
12	14.8	82.2	2130	9 US-10-068-059-7	Sequence 7, Appl1
13	14.8	82.2	2175	9 US-10-068-059-11	Sequence 11, Appl
14	14.8	82.2	2241	9 US-10-068-059-5	Sequence 5, Appl1
15	14.4	80.0	42	9 US-09-996-073-16	Sequence 16, Appl
16	14.4	80.0	42	9 US-09-996-073-17	Sequence 17, Appl
17	14.4	80.0	42	10 US-09-231-235-37	Sequence 37, Appl
18	14.4	80.0	42	10 US-09-231-235-38	Sequence 38, Appl
19	14.4	80.0	42	10 US-09-797-518A-37	Sequence 37, Appl

C	20	14.4	80.0	42	10	US-09-797-518A-38	Sequence 38, Appl
C	21	14.4	80.0	167	10	US-09-815-242-1261	Sequence 1261, Ap
C	22	14.4	80.0	1806	10	US-09-815-242-4015	Sequence 4015, Ap
C	23	13.8	76.7	357	9	US-09-738-626-2961	Sequence 2961, Ap
C	24	13.8	76.7	1032	10	US-09-815-242-4010	Sequence 4010, Ap
C	25	13.8	76.7	1302	10	US-09-815-242-7961	Sequence 7961, Ap
C	26	13.8	76.7	1729	10	US-09-917-800A-1581	Sequence 1581, Ap
C	27	13.8	76.7	1730	10	US-09-814-772A-19	Sequence 19, Appl
C	28	13.8	76.7	1815	10	US-09-758-269-13	Sequence 13, Appl
C	29	13.8	76.7	1829	10	US-09-822-849A-277	Sequence 277, App
C	30	13.8	76.7	2570	10	US-09-057-951-1	Sequence 1, Appl1
C	31	13.8	76.7	2570	12	US-10-105-150-1	Sequence 1, Appl1
C	32	13.8	76.7	3123	9	US-09-905-558C-5	Sequence 5, Appl1
C	33	13.8	76.7	13842	9	US-09-860-846-30	Sequence 30, Appl
C	34	13.8	76.7	13842	10	US-09-861-289-30	Sequence 30, Appl
C	35	13.8	76.7	36778	9	US-09-860-846-5	Sequence 5, Appl1
C	36	13.8	76.7	36778	10	US-09-861-289-5	Sequence 5, Appl1
C	37	13.8	76.7	3309400	9	US-09-738-626-1	Sequence 1, Appl1
C	38	13.4	74.4	170	10	US-09-878-574-9492	Sequence 9492, Ap
C	39	13.4	74.4	258	12	US-10-062-254-219	Sequence 2089, Ap
C	40	13.4	74.4	859	12	US-10-062-254-219	Sequence 219, App
C	41	13.4	74.4	1086	9	US-09-938-842A-1856	Sequence 1856, Ap
C	42	13.4	74.4	1420	10	US-09-974-300-225	Sequence 225, App
C	43	13.4	74.4	1420	10	US-09-779-144A-3	Sequence 3, Appl1
C	44	13.4	74.4	6693	9	US-10-071-766-135	Sequence 135, App
C	45	13.4	74.4	6700	10	US-09-759-152-3	Sequence 3, Appl1

ALIGNMENTS

RESULT 1
US-10-087-667-4
; Sequence 4, Application US/10087667
; Publication No. US20020194629A1
; GENERAL INFORMATION:
; APPLICANT: Bramley, John A.
; APPLICANT: Plant, Karen I.
; APPLICANT: Kerr, David
; TITLE OF INVENTION: TREATMENT OF STAPHYLOCOCCUS INFECTIONS
; FILE REFERENCE: Mastitis
; CURRENT APPLICATION NUMBER: US/10/087,667
; CURRENT FILING DATE: 2002-02-28
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 4
; LENGTH: 1520
; TYPE: DNA
; ORGANISM: Staphylococcus simulans
; US-10-087-667-4

Query Match 91.1%; Score 16.4; DB 9; Length 1520;
Best Local Similarity 94.4%; Pred. No. 20;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGCGGAGTCCAGCCGC 18
Db 1243 GCGCGGAGTCCAGCCGC 1260

RESULT 2
US-09-815-242-7957
; Sequence 7957, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard

TITLE OF INVENTION: Identification of Essential Genes in
FILE REFERENCE: ELITRA.011A
CURRENT APPLICATION NUMBER: US/09/815,242
CURRENT FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
NUMBER OF SEQ ID NOS: 1410
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7957
LENGTH: 852
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(852)
US-09-815-242-7957

Query Match 85.6%; Score 15.4; DB 10; Length 852;
Best Local Similarity 94.1%; Pred. No. 62;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 GGGCGCGAGTCGACCGC 17
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Db 193 GGGCGCGAGTCGACCGC 209

RESULT 3
US-09-912-962-38
Sequence 38, Application US/09912962
Patent No. US20020076719A1
GENERAL INFORMATION:
APPLICANT: de Lange, Tilla
Broccoli, Dominique
Smogorzewska, Agata
TITLE OF INVENTION: TELOMERE REPEAT BINDING FACTOR AND
DIAGNOSTIC AND THERAPEUTIC USE THEREOF
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
ADDRESSEE: KLAUBER & JACKSON
STREET: 411 Hackensack Avenue
CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/912,962
FILING DATE: 25-Jul-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/018,635
FILING DATE: 04-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: David A. Jackson
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 600-1-142 CIP1

TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
TELEX: 133521
INFORMATION FOR SEQ ID NO: 38:
SEQUENCE CHARACTERISTICS:
LENGTH: 135 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
DESCRIPTION: TRF2
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: mouse
SEQUENCE DESCRIPTION: SEQ ID NO: 38
US-09-912-962-38

Query Match 82.2%; Score 14.8; DB 10; Length 135;
Best Local Similarity 88.9%; Pred. No. 1.6e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GGGCGCGAGTCGACCGC 18
|||||
Db 39 GGGCGCGAGTCGACCGC 56

RESULT 4
US-09-923-876-2324/C
Sequence 2324, Application US/09923876
Patent No. US20020013958A1
GENERAL INFORMATION:
APPLICANT: Lalquodi, Raghunath V.
APPLICANT: Kamigaki, Laura Y. (llo)
APPLICANT: Sherman, Bradley K.
TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN SEEDLING
FILE REFERENCE: PL-0012-1 CON
CURRENT APPLICATION NUMBER: US/09/923,876
CURRENT FILING DATE: 2001-08-06
PRIOR APPLICATION NUMBER: 09/298,329
PRIOR FILING DATE: 1999-04-21
PRIOR APPLICATION NUMBER: 60/085,331
PRIOR FILING DATE: 1998-05-05
NUMBER OF SEQ ID NOS: 6332
SOFTWARE: PEKI Program
SEQ ID NO 2324
LENGTH: 255
TYPE: DNA
ORGANISM: Zea mays
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No. US20020013958A1 700160418H1
LOCATION: 215
NAME/KEY: unsure
OTHER INFORMATION: a, t, c, g, or other
US-09-923-876-2324

Query Match 82.2%; Score 14.8; DB 10; Length 255;
Best Local Similarity 88.9%; Pred. No. 1.4e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GGGCGCGAGTCGACCGC 18
|||||
Db 154 GGGCGCGAGTCGACCGC 137

RESULT 5
US-09-974-300-2123/C
Sequence 2123, Application US/09974300
Patent No. US20020146721A1
GENERAL INFORMATION:
APPLICANT: Berka, Randy M.
APPLICANT: Clausen, Ib Groth

;; TITLE OF INVENTION: Methods For Monitoring Multiple Gene
;; FILE REFERENCE: 10085.500-US
;; CURRENT APPLICATION NUMBER: US/09/974,300
;; CURRENT FILING DATE: 2001-10-05
;; PRIOR APPLICATION NUMBER: 09/680,598
;; PRIOR FILING DATE: 2000-10-06
;; PRIOR APPLICATION NUMBER: 60/279,526
;; PRIOR FILING DATE: 2001-03-27
;; NUMBER OF SEQ ID NOS: 8481
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 2123
;; LENGTH: 615
;; TYPE: DNA
;; ORGANISM: Bacillus licheniformis
US-09-974-300-2123

Query Match 82.2%; Score 14.8; DB 10; Length 615;
Best Local Similarity 88.9%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCGCGGAGTCGACCGGC 18
||||| 1 |||||
Db 502 GCGCGGAGTCGACCGGC 485

RESULT 6
US-09-917-800A-1508/C
; Sequence 1508, Application US/09917800A
; Patent No. US20020119462A1
; GENERAL INFORMATION:
; APPLICANT: Mendrick, Donna
; APPLICANT: Porter, Mark
; APPLICANT: Johnson, Kory
; APPLICANT: Castle, Arthur
; APPLICANT: Elashoff, Michael
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Molecular Toxicology Modeling
; FILE REFERENCE: 44921-5038-US
; CURRENT APPLICATION NUMBER: US/09/917,800A
; CURRENT FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: US 60/222,040
; PRIOR FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: US 60/222,880
; PRIOR FILING DATE: 2000-11-02
; PRIOR APPLICATION NUMBER: US 60/290,029
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/290,645
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: US 60/292,336
; PRIOR FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/295,798
; PRIOR FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: US 60/297,457
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/298,884
; PRIOR FILING DATE: 2001-06-19
; PRIOR APPLICATION NUMBER: US 60/303,459
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 1740
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1508
; LENGTH: 843
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020119462A1 X62145
US-09-917-800A-1508

Query Match 82.2%; Score 14.8; DB 10; Length 843;
Best Local Similarity 88.9%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCGCGGAGTCGACCGGC 18
||||| 1 |||||
Db 35 GCGCGGAGTCGACCGGC 18

RESULT 7
US-09-818-564-1
; Sequence 1, Application US/09818564
; Patent No. US20020137151A1
; GENERAL INFORMATION:
; APPLICANT: MERKAM, MURIEL
; APPLICANT: GUYONVARCH, ARMEIL
; APPLICANT: MARX, ACHIM
; TITLE OF INVENTION: A PROCESS FOR THE FERMENTATIVE PREPARATION OF METABOLIC
; TITLE OF INVENTION: PRODUCTS AND FOR THE NUCLEOTIDE SEQUENCES ENCODING FOR
; FILE REFERENCE: 21123/278411/MAS
; CURRENT APPLICATION NUMBER: US/09/818,564
; CURRENT FILING DATE: 2001-04-28
; PRIOR APPLICATION NUMBER: 09/373,731
; PRIOR FILING DATE: 1999-08-13
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1143
; TYPE: DNA
; ORGANISM: Corynebacterium melassecola
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (338)..(937)
; OTHER INFORMATION: ATCC 17965
US-09-818-564-1

Query Match 82.2%; Score 14.8; DB 10; Length 1143;
Best Local Similarity 88.9%; Pred. No. 1.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCGCGGAGTCGACCGGC 18
||||| 1 |||||
Db 602 GCGCGGAGTCGACCGGC 619

RESULT 8
US-09-738-626-1803/C
; Sequence 1803, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAOKO
; APPLICANT: SENOH, AKIHITO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 1803
; LENGTH: 1377
; TYPE: DNA
; ORGANISM: Corynebacterium glutamicum

US-09-738-626-1803

Query Match 82.2%; Score 14.8; DB 9; Length 1377;
Best Local Similarity 88.9%; Pred. No. 1.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGGAGTCCAGCCGC 18

DB 642 GCGCGTGAATTCAGCCGC 625

RESULT 9

US-09-712-363-23

; Sequence 23, Application US/09112363
; Patent No. US20020164588A1
; GENERAL INFORMATION:
; APPLICANT: Eisenberg, David
; APPLICANT: Rolsteijn, Sergio H.
; APPLICANT: Marcotte, Edward M.
; TITLE OF INVENTION: DETERMINING THE FUNCTIONS AND
; TITLE OF INVENTION: INTERACTIONS OF PROTEINS BY COMPARATIVE ANALYSIS
; FILE REFERENCE: 07419-032001
; CURRENT APPLICATION NUMBER: US/09/712,363
; PRIOR FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: PCT/US00/02246
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/179,531
; PRIOR FILING DATE: 2000-02-01
; PRIOR APPLICATION NUMBER: 60/117,844
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: 60/118,206,
; PRIOR FILING DATE: 1999-02-01
; PRIOR APPLICATION NUMBER: 60/126,593
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/134,093
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/134,092
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/165,124
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/165,086
; PRIOR FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 292
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 23
; LENGTH: 1623
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-712-363-23

Query Match 82.2%; Score 14.8; DB 9; Length 1623;
Best Local Similarity 88.9%; Pred. No. 1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGGAGTCCAGCCGC 18

DB 1291 GCGGACGAGCGACCGGC 1308

RESULT 10

US-10-068-059-9

; Sequence 9, Application US/10068059
; Patent No. US20020155434A1
; GENERAL INFORMATION:
; APPLICANT: Mizzen, Lee A.
; APPLICANT: Hongwel, Liu
; APPLICANT: Siegel, Marvin
; TITLE OF INVENTION: HEPATITIS B VIRUS TREATMENT
; FILE REFERENCE: 12071-017002
; CURRENT APPLICATION NUMBER: US/10/068,059
; CURRENT FILING DATE: 2002-06-04
; PRIOR APPLICATION NUMBER: US 60/266,733
; PRIOR FILING DATE: 2001-02-05

; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 9
; LENGTH: 2073
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(2070)
; OTHER INFORMATION: Nucleic acids encoding fusion protein

US-10-068-059-9

Query Match 82.2%; Score 14.8; DB 9; Length 2073;
Best Local Similarity 88.9%; Pred. No. .98;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGGAGTCCAGCCGC 18

DB 1741 GCGGACGAGCGACCGGC 1758

RESULT 11

US-09-912-962-28

; Sequence 28, Application US/0912962
; Patent No. US20020076719A1
; GENERAL INFORMATION:
; APPLICANT: de Lange, Tilia
; Broccoli, Dominique
; Smogorzewska, Agata
; TITLE OF INVENTION: TELOMERE REPEAT BINDING FACTOR AND
; DIAGNOSTIC AND THERAPEUTIC USE THEREOF
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSER: KLAUBER & JACKSON
; STREET: 411 Hackensack Avenue
; CITY: Hackensack
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-1005/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/912,962
; FILING DATE: 25 Jul-2001
; CLASSIFICATION: -[unknown]-
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/018,635
; FILING DATE: 04-FEB-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: David A. Jackson
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 600-1-142 CIP1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-487-5800
; TELEFAX: 201-343-1684
; TELEX: 133521
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2119 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; DESCRIPTION: TRF2
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: mouse
; SEQUENCE DESCRIPTION: SEQ ID NO: 28:
US-09-912-962-28

Query Match 82.2%; Score 14.8; D: 10; Length 2119;
Best Local Similarity 88.9%; Pred. No. 98;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGGAGTGCAGCCGCC 18
||||| 1111 111 111
Db 104 GCGCGGAGGCGAGCCGCC 121

RESULT 12
US-10-068-059-7
; Sequence 7, Application US/10068059
; Patent No. US20020155434A1
; GENERAL INFORMATION:
; APPLICANT: Mizzen, Lee A.
; APPLICANT: Hongwei, Liu
; APPLICANT: Siegel, Marvin
; TITLE OF INVENTION: HEPATITIS B VIRUS TREATMENT
; FILE REFERENCE: 12071-017002
; CURRENT APPLICATION NUMBER: US/10/068,059
; CURRENT FILING DATE: 2002-06-04
; PRIOR APPLICATION NUMBER: US 60/266,733
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 2130
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(2127)
; OTHER INFORMATION: Nucleic acids encoding fusion protein
US-10-068-059-7

Query Match 82.2%; Score 14.8; DB 9; Length 2130;
Best Local Similarity 88.9%; Pred. No. 98;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGGAGTGCAGCCGCC 18
||||| 1111 11111111
Db 1798 GCGCGAGGCGAGCCGCC 1815

RESULT 13
US-10-068-059-11
; Sequence 11, Application US/10068059
; Patent No. US20020155434A1
; GENERAL INFORMATION:
; APPLICANT: Mizzen, Lee A.
; APPLICANT: Hongwei, Liu
; APPLICANT: Siegel, Marvin
; TITLE OF INVENTION: HEPATITIS B VIRUS TREATMENT
; FILE REFERENCE: 12071-017002
; CURRENT APPLICATION NUMBER: US/10/068,059
; CURRENT FILING DATE: 2002-06-04
; PRIOR APPLICATION NUMBER: US 60/266,733
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 2175
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(2172)
; OTHER INFORMATION: Nucleic acids encoding fusion protein
US-10-068-059-11

Query Match 82.2%; Score 14.8; DB 9; Length 2175;
Best Local Similarity 88.9%; Pred. No. 98;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGGAGTGCAGCCGCC 18
||||| 1111 11111111
Db 1843 GCGGAGGCGAGCCGCC 1860

RESULT 14
US-10-068-059-5
; Sequence 5, Application US/10068059
; Patent No. US20020155434A1
; GENERAL INFORMATION:
; APPLICANT: Mizzen, Lee A.
; APPLICANT: Hongwei, Liu
; APPLICANT: Siegel, Marvin
; TITLE OF INVENTION: HEPATITIS B VIRUS TREATMENT
; FILE REFERENCE: 12071-017002
; CURRENT APPLICATION NUMBER: US/10/068,059
; CURRENT FILING DATE: 2002-06-04
; PRIOR APPLICATION NUMBER: US 60/266,733
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 2241
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(2238)
; OTHER INFORMATION: Nucleic acids encoding fusion protein
US-10-068-059-5

Query Match 82.2%; Score 14.8; DB 9; Length 2241;
Best Local Similarity 88.9%; Pred. No. 97;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCGCGGAGTGCAGCCGCC 18
||||| 1111 11111111
Db 1909 GCGGAGGCGAGCCGCC 1926

RESULT 15
US-09-996-073-16
; Sequence 16, Application US/09996073
; Publication No. US20030003565A1
; GENERAL INFORMATION:
; APPLICANT: IMBENSKY JR., Thomas W.
; APPLICANT: CASMT, Melai
; APPLICANT: SAUTER, Sydille
; TITLE OF INVENTION: FUNCTIONAL LENTIVIRAL VECTOR FROM
; TITLE OF INVENTION: AN MLV-BASED BACKBONE
; FILE REFERENCE: 2302-1642 / 1642,002
; CURRENT APPLICATION NUMBER: US/09/996,073
; CURRENT FILING DATE: 2001-11-27
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
; LENGTH: 42
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: FIV2 primer
US-09-996-073-16

Query Match 80.0%; Score 14.4; DB 9; Length 42;
Best Local Similarity 93.8%; Pred. No. 3e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 CCGCGAGTGCAGCCGCC 18
||||| 11111111 111
Db 14 CCGCGAGTGCAGTGC 29

Search completed: February 18, 2003, 07:11:26
Job time : 99.2091 secs
